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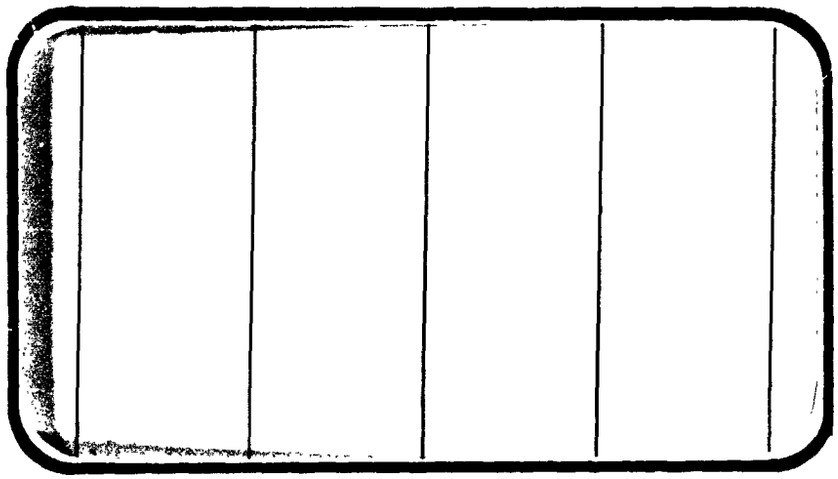

SPACE SHUTTLE

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AERODYNAMIC CHARACTERISTICS OF MSFC MODEL 454 OF THE 142-INCH SOLID RO T BOOSTER TESTED IN THE LeRC 10-FOOT SWT AT MACH ERS OF 2.0 AND 2.7 (SA6F)

By

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WIND TUNNEL TEST SPECIFICS:

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NASA Series Number:	SA6F
Model Number:	454
Test Dates:	December 3, 1973 - January 16, 1974
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FACILITY COORDINATOR:

None

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AERODYNAMIC CHARACTERISTICS OF MSFC MODEL 454 OF THE 142-INCH SOLID ROCKET BOOSTER TESTED IN THE LeRC 10-FOOT SWT AT MACH N ERS OF 2.0 AND 2.7 (SA6F)

By

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ABSTRACT

A 2.112 percent scale Space Shuttle Solid Rocket Booster (SRB), MSFC Model 454, was tested in the 10-Foot Supersonic Wind Tunnel (10' SWT) at Lewis Research Center (LeRC). The test, 10' SWT Test 035, occupied the tunnel for 208 hours, starting Dec. 3, 1973, and completed Jan. 16, 1974. Test Mach numbers were 2.0 and 2.7; test angles of attack ranged from -5 degrees to 185 degrees; test Reynolds numbers ranged from 0.514 to 2.81 million per foot; and test roll angles were 0, 22.5, 45, 90, and 135 degrees. The model was tested in the following configurations:

SRB without external protuberances.

SRB with an electrical tunnel and a SRB/ET thrust attachment structure.

SRB with two engine shroud strakes

SRB with eight engine shroud strakes.

SRB with an electrical tunnel, a SRB/ET thrust attachment structure, eight engine shroud strakes, and separation motors.

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SCHEDULE OF COEFFICIENTS PLOTTED:

A) CNM, CLMM, XCP/L, CA, CBL, CYNM, CYM versus ALPHA

B) DLTCA, DLTCLM, DLTCN, DLTCBL, DLTCYN, DLTCY vs ALPHA

NOMENCLATURE

MISSILE AXIS SYSTEM

Symbol	Plot Symbol	Definition	Units
C_{A_m}	CA	total axial force coefficient in the missile axis system, $F_{A_m}/q\ S_{ref}$	
C_{ℓ_m}	CBL	rolling moment coefficient in the missile axis system, $M_{X_m}/q\ S_{ref}\ \ell_{ref}$	
C_{m_m}	CLMM	pitching moment coefficient in the missile axis system, $M_{Y_m}/q\ S_{ref}\ \ell_{ref}$	
C_{N_m}	CNM	normal force coefficient in the missile axis system, $F_{N_m}/q\ S_{ref}$	
C_{n_m}	CYNM	yawing moment coefficient in the missile axis system, $M_{Z_m}/q\ S_{ref}\ \ell_{ref}$	
C_{Y_m}	CYM	side force coefficient in the missile axis system, $F_{Y_m}/q\ S_{ref}$	
F_{A_m}		total axial force in the missile axis system, positive in the negative direction of X_m	lb.
F_{N_m}		normal force in the missile axis system, positive in the negative direction of Z_m	lb.
F_{y_m}		side force coefficient in the missile axis system, positive in the positive direction of Y_m	lb.
M	MACH	Mach number	

NOMENCLATURE (Continued)

Symbol	Plot Symbol	Definition	Units
M_{X_m}		rolling moment in the missile axis system, i.e., moment about the X_m-axis (a positive rolling moment tends to rotate the positive Y_m-axis toward the positive Z_m-axis	in.-lb.
M_{Y_m}		pitching moment in the missile axis system, i.e., moment about the Y_m-axis (a positive pitching moment tends to rotate the positive Z_m-axis toward the positive X_m-axis)	in.-lb.
M_{Z_m}		yawing moment in the missile axis system, i.e., moment about the Z_m-axis (a positive yawing moment tends to rotate the positive X_m-axis toward the positive Y_m-axis)	in.-lb
A_i		base areas	$in.^2$
ℓ_{ref}	LREF	reference length (diameter of the cylindrical section of the model)	in.
$C_{P_{bi}}$		base pressure coefficient; $\frac{P_{bi} - P_\infty}{q}$	
P_{b_i}		base pressures	psi
P_t		free stream total pressure	psi
P_∞		free stream static pressure	psi
q_∞		free stream dynamic pressure	psi
$R_{N/L}$	RN/L	Unit Reynolds number, per foot (million)	
S_{ref}	SREF	reference area (cross sectional area of the cylindrical section of the model)	$in.^2$

NOMENCLATURE (Continued)

Symbol	Plot Symbol	Definition	Units
T_t		Tunnel Total Temperature	°F
X_m, Y_m, Z_m		missile axes (see text)	
X,Y,Z		body axis system coordinates (for an airplane, the X, Z-plane is the plane of symmetry, the origin of the axes system is the center of gravity or any other convenient point, and the X axis is the airplane longitudinal axis) - see Figure 1.	
XMRP, YMRP, ZMRP		abbreviations for the location of the moment reference point in the missile axis system	in.
$\alpha_T = \alpha$	ALPHA	total angle of attack, angle between the X_m-axis and a vector in the direction of the air flow, ($\beta = 0$)	degrees
ϕ	PHI	roll angle, i.e., angle between the missile Y_m-axis and the body Y-axis (from a pilot's viewpoint in an airplane, a positive roll angle is a clockwise rotation)	degrees

Subscripts

ref	reference conditions
∞	free stream conditions
b	base
i	identifies the location of the base pressure measurements

In addition to the standard notation, the following are special to this test:

NOMENCLATURE (Continued)

Symbol	Plot Symbol	Definition
X_{cp}/ℓ	XCP/L	Center of pressure location based on body length; $= \frac{X_{c.g.}}{\ell_{Body}} - \left[\frac{C_{m_m}}{C_{N_m}}\right] \frac{\ell_{ref}}{\ell_{body}}$
	FWDSTK	Parameter name describing the forward strake; number in front of decimal is the number of strakes. Number after decimal is the length of the strake in calibers*.
	AFTSTK	Parameter name describing the aft strake; number in front of decimal is the number of strakes. Number after decimal is the length of the strake in calibers.
	PHI	Parameter name describing the model roll angle.
	ATHRNG	Parameter name describing the attachment ring. A number indicates the presence of the ring.
	ELETUN	Parameter name describing the electrical tunnel. Number of 1.0 indicates an electrical tunnel is mounted on the SRB at an angular location as described by phi (ϕ). A SRB/ET thrust attachment structure is always mounted 180° around the SRB body from the electrical tunnel. (Model roll angle is based on the position of electrical tunnel).
	ENGSTK	Parameter name describing the engine shroud strakes. The number 2.0 indicates two engine shroud strakes and 8.0 indicates eight engine shroud strakes mounted on the SRB engine shroud at an angular position as described by phi (ϕ). (Model roll angle is based on the position of the reference strake).
	ALPROT	Parameter name describing the presence of all protuberances; an electrical tunnel, a SRB/ET thrust attachment structure, eight engine shroud strakes, and separation motors. (Model

NOMENCLATURE (Continued)

Symbol	Plot Symbol	Definition
		roll angle is based on the position of the electrical tunnel.) The number 1.0 indicates the presence of all these protuberances.
	ALPSWP	Parameter name describing the direction of an alpha sweep. The number 1.0 indicates an increasing sweep and 2.0 indicates a decreasing sweep.
ΔC_{N_m}	DLTCN	Incremental normal force coefficient due to a particular protuberance or protuberances in question.
ΔC_{A_m}	DLTCA	Incremental axial force coefficient due to a particular protuberance or protuberances in question.
ΔC_{y_m}	DLTCY	Incremental side force coefficient due to a particular protuberance or protuberances in question.
ΔC_{m_m}	DLTCLM	Incremental pitching moment coefficient due to a particular protuberance or protuberances in question.
ΔC_{n_m}	DLTCYN	Incremental yawing moment coefficient due to a particular protuberance or protuberances in question.
ΔC_{ℓ_m}	DLTCBL	Incremental rolling moment coefficient due to a particular protuberance or protuberances in question.

*One caliber = $\ell_{ref} = d_{ref} = 3.000$ inches

INTRODUCTION

The Space Shuttle launch configuration consists of a delta wing orbiter, a large external tank (ET), and two solid rocket boosters (SRB's). At launch the orbiter engines and the two SRB's are ignited. The SRB's burn out at an altitude of approximately 140,000 feet, separate from the shuttle launch configuration, and free-fall toward the ocean. At an altitude of approximately 17,000 feet, parachutes are deployed which lower each SRB into the ocean.

The free-fall of the SRB's after separation is completely uncontrolled. However, the SRB's must decelerate to a velocity and attitude that is suitable for parachute deployment. To determine the rate of deceleration and the attitude of the SRB's during free-fall, engineers at Marshall Space Flight Center (MSFC) are using a six-degree-of-freedom computer program. Static aerodynamic coefficients are part of the information required for input into this computer program.

To determine static aerodynamic coefficients for the SRB's during free-fall, several wind tunnel tests of SRB models were conducted in the 14-inch Trisonic Wind Tunnel at MSFC. These tests, described in references 1, 2, 3, and 4, were conducted with 0.5634 percent models where tunnel blockage was almost 5 percent under certain test conditions. To eliminate these objectionable test conditions, a larger scale SRB model was tested in the 8-Foot Transonic Pressure Tunnel (8' TPT) at Langley Research Center (LaRC) at Mach numbers from 0.6 to 1.2. Those

tests, described in Reference 5, were performed with a 2.112 percent scale model where the maximum tunnel blockage was approximately 1.53 percent. This report describes the test performed in the LeRC 10-foot Supersonic Wind Tunnel facility and presents the data obtained at Mach numbers 2.0 and 2.7.

Tunnel conditions during this test were as follows: Test Mach numbers were 2.0 and 2.7; test angles-of-attack ranged from -5 to 185 degrees, and test Reynolds numbers ranged from 0.514 to 2.81 million per foot.

Five model configurations were investigated. These configurations were as follows:

1. SRB without external protuberances
2. SRB with an electrical tunnel and a SRB/ET thrust attachment structure
3. SRB with two engine shroud strakes
4. SRB with eight engine shroud strakes
5. SRB with an electrical tunnel, a SRB/ET thrust attachment structure, eight engine shroud strakes, and separation motors.

MODEL DESCRIPTION AND SUPPORT HARDWARE

Model Description

The model, MSFC model 454, was a 2.112 percent scale model of a 142-inch diameter SRB. Details of the model are presented in Table I and Figures 2 through 7. Figure 2 presents the dimensions of the major geometric body segments. These segments and their dimensions are:

- o A 3.971-inch long, spherically blunted 18° half-angle nose cone (a truncated nose section was used to allow for the passage of the sting at alpha range of 90 to 185 degrees when mounted through the nose).
- o A 29.734-inch long, 3.000 inch diameter, cylindrical body section.
- o A 1.964-inch long, 15°3' frustrum angle, axially symmetric engine shroud.
- o A 1.102-inch long axially symmetric, 10° half angle, conical engine nozzle.

Figure 3 presents the dimensions and location of an attachment ring that was a scaled representation of a structure used to attach the SRB's to the Space Shuttle External Tank and was affixed to the model throughout the wind tunnel test.

Figure 4 presents the dimensions and locations of two other protuberances (an electrical tunnel and a SRB/ET thrust attachment structure) that were attached to the model. The electrical tunnel was a scaled representation of a tunnel used to route electrical wiring from the front to the rear of the SRB's. The SRB/ET thrust attachment structure was a scaled representation of the structure used to transmit the thrust of the SRB's to the Space Shuttle External Tank (ET). The scaled electrical tunnel and thrust attachment structure were only used during selected parts of the test.

Figure 5 presents the dimensions and locations of the engine shroud strakes that were attached to the model during selected parts of the test. These strakes were scale representations of small protuberances being considered for use on the SRB's. When strakes were used, either two or

eight strakes were placed on the model. When two strakes were used, they were placed on the model engine shroud in diametrically opposed positions as shown on the bottom of Figure 5. When eight strakes were used, they were placed on the model engine shroud in equally spaced positions as shown on the top of Figure 5. Note that for tests with only engine shroud strakes on the model, a test roll angle (ϕ) of zero means that two strakes were located on the model in the tunnel vertical pitch plane. For tests with roll angles other than zero, these two strakes were "rolled" out of the pitch plane. Therefore, when only two strakes were used as shown on the bottom of Figure 5, the roll angle was 90°.

Figure 6 presents a sketch of the configuration that was tested when all external protuberances were attached to the model. Note that the roll angle during the tests of this configuration was 90° because the roll angle was based on the position of the electrical tunnel and the electrical tunnel was placed on the model in a position 90° away from the top vertical position when the model was at zero angle-of-attack. Figure 7 presents the details of the scaled separation motors that were used on this test configuration.

Figure 8 shows details of the aft portion of the model including details of a plug that was used when the model was side mounted and tail mounted (see Figures 12, 13, and 14). The plug was removed for those tests in which the sting had to pass through the rear of the model; i.e., when the model was tail mounted as shown in Figure 11.

The model was made in seven sections. These sections, as identified in Figure 9, are a nose, a strake ring, two fill rings, a balance body, a

balance body end, and a tail. The two fill rings can be assembled in three different arrangements relative to the balance body: both forward, both aft, or one forward and one aft. This allows adjustment of the model center of pressure relative to the balance center. The nose and strake ring sections are interchangeable with the tail section. The nose forward, tail aft configuration was used for angles-of-attack from -5 to ~90 degrees and the tail forward, nose aft configuration was used for angles-of-attack from ~90 to 185 degrees. A truncated nose section was also used to allow for the passage of the sting at angles-of-attack from ~90 to 185 degrees. The balance body end section was required to allow the sting out the leeward side of the cylindrical section of the model for angles-of-attack between -5 and 185 degrees.

The model was designed so that roll angles from 0 to 337.5 degrees in 22.5 degree increments could be simulated. These roll angles could be achieved by rolling the nose strake ring and tail sections relative to the balance body and at the same time moving the protuberances to a different roll position on the model body. The sign convention for roll angles is shown in Figures 4, 5, and 6. Except as already noted, the roll angle was defined by the angular position of the electrical tunnel. Specifically, a roll angle of zero degrees was achieved by placing the electrical tunnel on the top of the model in the wind tunnel vertical pitch plane when the model was zero angle of attack. Other roll angles were achieved by "rolling" the electrical tunnel out of the vertical pitch plane and at the same time moving the other protuberances through the same roll angle.

Figure 10 is a photograph of the various model parts used during these tests and Figures 11 through 14 show typical installation of the model in the tunnel.

Support Hardware

Three pieces of model support hardware were used during these tests:

- o Sting (main)
- o Straight sting
- o Sting (90°)

The "sting (main)" (Figure 15) adapted the stings to the model support system in the test facility.

The "straight sting," sketched in Figure 16, was used to support the model at angles-of-attack from -5 to 185 degrees.

The "sting (90°)," also sketched in Figure 16, was used to support the model at angles-of-attack from -5 to 185 degrees. This sting came out the leeward side of the cylindrical section of the model.

Sketches of typical sting and model combinations are presented in Figures 17 through 20. Sketches of typical sting, model, and balance combinations are presented in Figures 21 and 22.

CONFIGURATIONS INVESTIGATED

The run schedule or data set collation for LRC 10' SWT-035 is shown in Table II. This table relates the data set identifiers to the nominal conditions at which various configurations were tested. These conditions were angle-of-attack (α), roll angle (ϕ), Mach numbers (M), Reynolds

number per foot (R_N/ft), and dynamic pressure (q_∞).

The run numbers indicated in Table II are in the form of "Run X/0 and Run X/1" only for the purpose of limiting the data points per run to keep within a DATA plotting limitation of 50 points per sweep angle range. This method of identifying runs (example Run 1/0 and Run 1/1) was used to satisfy DATA MAN requirements and does not indicate re-runs. Example:

> Runs 1/0 and 1/1 combine to make Run 1 in LeRC 10' SWT-Test-035 (Note that a "run" refers to one pitch polar in which a model of one configuration is rotated through an angle-of-attack range of approximately 90 degrees at a constant Mach number, Reynolds number, and roll number).

As indicated in Table II, the SRB body alone (attachment ring on the model) was tested at Mach numbers of 2.0 and 2.7 and angles-of-attack from -5 to 185 degrees. This configuration was tested in an alpha range of -5 to 90 degrees at several Reynolds numbers and with boundary layer trips. The boundary layer trips were formed by sprinkling grit on the model in 0.1-inch wide strips 45° away from the windward stagnation line on each side of the cylindrical section and engine shroud and in a 0.1-inch wide circumferential strip around the conical portion of the nose as shown in Figure 23. These trip strips on the nose were used during all testing at angles-of-attack between -5 and 185 degrees when the truncated nose was not used. Grit size No. 120 was used on the sides of the cylindrical section and engine shroud and grit size No. 60 was used on the nose.

The configuration with an electrical tunnel and a SRB/ET thrust attachment structure was formed by adding the two scaled protuberances to the previous configuration as shown in Figure 4. This configuration, tested at roll angles of 45, 90, and 135 degrees, was achieved by placing the scaled electrical tunnel and SRB/ET thrust attach structure on the model at the appropriate roll angle. Investigations were made over an alpha range from -5 to 185 degrees at Mach numbers of 2.0 and 2.7 and at maximum tunnel Reynolds numbers.

The SRB with two or eight engine shroud strakes was formed by adding the strakes to the SRB body alone. As indicated in Table II, tests of this configuration were performed while the model was either tail mounted ($-5° \leq \alpha \leq 90°$) or nose mounted ($90° \leq \alpha \leq 185°$) at Mach numbers of 2.0 and 2.7.

The SRB with an electrical tunnel, an SRB/ET thrust attachment structure, eight engine shroud strakes, and separation motors was formed by adding the scaled protuberances to the SRB body alone configuration as shown in Figure 6. This configuration was tested at a roll angle of 90 degrees, which was based on the electrical tunnel, as can be seen in Figure 6. It was tested over a full angle-of-attack range of -5 to 185 degrees with both the side mounting and either the tail (-5 to -90 degrees) or nose (-90 to 185 degrees) mounting techniques.

During this test, some runs were made to determine hysteresis effects. These runs covered an angle-of-attack range from -90 to 185 degrees. During run 8, M = 2.0 and run 10, M = 2.7 (data set identifiers RGE007 & 008), the model was pitched in the direction of increasing

angle-of-attack. During run 9, M = 2.0 and run 11, M = 2.7 (data set identifiers RGE051 and 052), the model was pitched in the direction of decreasing angle-of-attack.

DATA ACQUISITION AND REDUCTION

The parameters measured and recorded during these two tests were:

a) Tunnel conditions ($P_{t_{\infty}}$, P_{∞}, T_t)

b) Model angle-of-attack

c) Base pressures (for $-5° \leq \alpha \leq 185°$)

d) Six-component force and moment data

Tunnel conditions were used to calculate the Mach number, the dynamic pressure, and the Reynolds number; the base pressures were used to calculate base pressure coefficients; and the six-component force and moment data were used to calculate static stability coefficients.

Base pressures were recorded over angle-of-attack ranges from -5 to 185 degrees when the model was mounted through either the tail or nose. Base pressures were not recorded when the model was supported in the wind tunnel as shown in Figures 12 and 13. Figure 24 shows the location of pressure tubes for test angles-of-attack from -5 to 90 degrees. Figure 25 shows the pressure tube locations for test angles-of-attack from 90 to 185 degrees. In this position, pressures that were recorded probably would be more accurately described as "nose cavity pressures" rather than base pressures.

A tabulation of the base pressure coefficients is included in the appendix to this report. Zeroes are listed where base pressures were not recorded (model side mounted).

An angle-of-attack indicator was mounted in the model at 30 degrees relative to the model longitudinal axis. This allowed adjustment of the angle-of-attack indicator so that its longitudinal axis was never more than $\pm$ 65 degrees away from a horizontal attitude.

As stated above, the six component force and moment data were used to calculate six-component static stability coefficients. These data were measured with Langley Research Balance No. IR-16. The rated capacity of this balance is found in Table III. The six coefficients, C_{A_m}, C_{ℓ_m}, C_{m_m}, C_{N_m}, C_{n_m}, and C_{Y_m}, are coefficients in the missile axis system.

The missile axes system (X_m, Y_m, Z_m) is a non-rolling body axes system frequently used in wind tunnel tests and studies of missile flight dynamics. It is a system of axes that never rotates through angles of roll; i.e., it never rotates about the missile or model longitudinal axis. The missile axes system is identical with the body axes system at zero roll angle.

Six-component static aerodynamic coefficients in the missile axes system may be converted to coefficients in the body axes system with the following six equations:

$$C_A = C_{A_m}$$

$$C_N = C_{N_m} \cos \phi + C_{Y_m} \sin \phi$$

$$C_y = -C_{N_m} \sin \phi + C_{Y_m} \cos \phi$$

$$C_{\ell} = C_{\ell_m}$$

$$C_m = C_{m_m} \cos \phi + C_{n_m} \sin \phi$$

$$C_n = -C_{m_m} \sin \phi + C_{n_m} \cos \phi$$

The orientations of the body axes coefficients (C_A, C_N, C_Y, C_ℓ, C_m, C_n) are defined in Figure 1.

The following reference dimensions were used to calculate the static stability coefficients:

Parameter	Full Scale	Model Scale
Reference Area (S_{ref}) based on body cross section	109.98 ft^2	7.069 $in.^2$
Reference Length (ℓ_{ref}) = (b_{ref}) = model diameter	142 in.	3.000 in.
Moment Reference Center (from body nose)		
*XMRP	986.46 in.	20.834 in.
YMRP	0	0
ZMRP	0	0

The force and moment data were corrected for model weight tares but angles of attack were not corrected for tunnel flow angularity.

Schlieren photographs were made during these tests.

DATA PRESENTATION

Data are presented in two forms: (1) stability coefficients are plotted as a function of angle-of-attack and (2) data tables are presented that include six stability coefficients, four base pressure coefficients, tunnel flow conditions, and model attitude.

*Note: XMRP (56.66% of body length, measured from nose tip)

Data Plots

The plots of the stability coefficients were made so that they show certain significant effects that were investigated during the tests. Effects that are illustrated by the plotted interpolated data are as follows:

- Effects of the angular location (roll angle) of the electrical tunnel and SRB/ET thrust attachment structure
- Effects of the angular location (roll angle) of two and eight engine shroud strakes
- Effects of the angular location (roll angle) of the electrical tunnel, SRB/ET thrust attachment structure, eight engine strakes, and separation motors
- Reynolds number effects with and without boundary layer trips

The data that are shown in the plots for a roll angle of zero are the data from tests of the configuration that did not have external protuberances other than the attachment ring.

These plots of the stability coefficients include the six static aerodynamic coefficients (C_{N_m}, C_{A_m}, C_{Y_m}, C_{m_m}, C_{n_m}, C_{ℓ_m}) and the longitudinal center of pressure (XCP/L) based on the body length.

Many of the plots present coefficients that were derived by using combinations of the wind tunnel test data to construct the "best" set of data for a particular configuration. For example, the best set of data for the SRB body alone configuration (with attachment ring), data set CGE 101, was derived by using data set RGE001 (Runs 1 and 2) for $-5° \leq \alpha \leq 40°$, data set RGE004 (Runs 49 and 50) for $40° \leq \alpha \leq 90°$, data set RGE005 (Runs 51 and 52) for $90° \leq \alpha \leq 135°$, and data set RGE008 (Runs 8 and 10) for $135° \leq \alpha \leq 185°$. Data sets for several of the

configurations were derived by determining the change in each coefficient caused by adding protuberances to the body alone configuration and then adding these incremental changes to the best set of data that was derived for the body alone configuration. For example, C_{N_m} for the configuration with the electrical tunnel and the thrust attach structure was calculated with the following equation:

$$(C_{N_m})_{\text{with elect. tunnel and thrust att. str.}} = (\Delta C_{N_m})_{\text{caused by elect. tunnel and thrust att. str.}} + (C_{N_m})_{\text{without protuberances}}$$

Data sets that were used to derive new data sets and data sets that were used to calculate incremental changes in coefficients are identified in Table IV. All of the derived data were determined by interpolation of the test data to obtain data in four degree angle-of-attack increments. All data sets numbered greater than 100 contain interpolated and derived data.

Data Tables

Data tables, identified as tabulated source data, are presented for each of the 52 runs that were made during LRC 10' SWT Test 035.[1] Tables are presented in the order of data set number. Each table contains a listing of the six static aerodynamic stability coefficients and four base pressure coefficients.[2] Each table also includes information that

1 Data are not presented for runs 29 and 38 due to some question of the data.

2 Where base pressures were not recorded, zeroes will appear in the data table for C_p's.

describes the model configuration, the model attitude, the tunnel flow conditions, and model reference dimensions.

TEST FACILITY DESCRIPTION

The NASA Lewis Research Center 10' x 10' Unitary Supersonic Wind Tunnel is a closed loop continuous flow facility with a Mach Number capability from 2.0 to 3.5 in either a aerodynamic or propulsion circuit. The aerodynamic circuit, used for these investigations, has a stagnation pressure capability of 0.1 to 2.36 atmospheres at a stagnation temperature of 1160° R giving a Reynolds Number capability from 0.2 to 2.6 x 10^6/ft. The dynamic pressure varies from 20 to 720 psf. The propulsion circuit of the tunnel has a stagnation pressure capability of 0.62 to 2.36 atmospheres at a stagnation temperature of 1160° R for a Reynolds Number variation of 2.1 to 2.8 x 10^6/ft and a dynamic pressure variation of 500 to 600 psf. This circuit can accept either air breathing or rocket engines for testing.

REFERENCES

1. NASA CR-120, 056 (DMS-DR-1253), "Aerodynamic Characteristics of a 156-Inch Solid Rocket Motor at Angles-of-Attack from -10° to 190°," Buchholz, R. E., Elder, D. J.; August 1972,

2. NASA CR-120, 090 (DMS-DR-2012), "Aerodynamic Characteristics of a 162-Inch Diameter Solid Rocket Booster with and without Strakes," Radford, W. D., Johnson, J. D., Rampy, J. M.; March 1973.

3. NASA CR-128, 767 (DMS-DR-2025), "Aerodynamic Characteristics of a 142-Inch Solid Rocket Booster with and without Strakes," Radford, W. D., Johnson, J. D. ; May 1973.

4. NASA CR-128, 774 (DMS-DR-2051), "Aerodynamic Characteristics of a 142-Inch Diameter Solid Rocket Booster (Configurations 89B and 139)," Radford, W. D., Johnson, J. D.; August 1973.

5. NASA CR-134, 105 (DMS-DR-2088), "Aerodynamic Characteristics of a 142-Inch Diameter Solid Rocket Booster (Configuration 139)," Radford, W. D., Johnson, J. D., Ferris, J. C.; June 1974.

TABLE I. MODEL COMPONENT DIMENSIONS

DEL COMPONENT: Nose

GENERAL DESCRIPTION: 142-inch diameter SRB nose, cone angle is 18° with a spherical radius nose cap. (This nose was truncated to allow passage of the sting when the model was nose-mounted for testing at $90^{\circ} \leq \alpha \leq 185^{\circ}$).

MODEL DRAWING NUMBER: MSFC #80M42621
MSFC #80M42622

DIMENSIONS:	THEORETICAL FULL-SCALE	THEORETICAL MODEL SCALE	ACTUAL MEASURED MODEL SCALE
Length	188 in.	3.971 in.	3.892 in.
Max. Width	142 in.	3.000 in.	3.000
Max. Depth	142 in.	3.000 in.	3.000
Fineness Ratio	1.32	1.32	1.297
Area			
Max. Cross-Sectional	109.97 ft^2	7.069 $in.^2$	
Planform			
Wetted			
Base	109.97 ft^2	7.069 $in.^2$	
Length (when truncated for sting mounting)		1.130 n.	1.130

Table I. (Continued)

DEL COMPONENT: BODY

GENERAL DESCRIPTION: 142-inch diameter SRB body for SRB configuration 139.

MODEL DRAWING NUMBER: 80M42621, 80M42623, 80M32580, 80M42620, 80M42590, 80M42626, 80M51331, 80M42646

DIMENSIONS:	FULL-SCALE	THEORETICAL MODEL SCALE	ACTUAL MEASURED MODEL SCALE
Length	1407.8 in.	29.734 in.	29.757 in.
Max. Width	142 in.	3.000 in.	3.001
Max. Depth	142 in.	3.000 in.	3.001
Fineness Ratio	9.91	9.91	9.915
Area			
Max. Cross-Sectional	109.98 ft^2	7.069 $in.^2$	
Planform			
Wetted			
Base	109.97 ft^2	7.069 $in.^2$	

Table I. (Continued)

MODEL COMPONENT: Engine/Shroud

GENERAL DESCRIPTION: 142-inch diameter SRB engine shroud/nozzle combination for SRB configuration 139.

MODEL DRAWING NUMBER: 80M42626, 80M32613

	THEORETICAL		ACTUAL MEASURED
DIMENSIONS:	FULL-SCALE	MODEL SCALE	MODEL SCALE
Engine Shroud			
Length	93 in.	1.964 in.	1.975 in.
Max. Width	192 in.	4.055 in.	4.062 in.
Max. Depth	192 in.	4.055 in.	4.062 in.
Max. Cross Sectional Area	201.1 ft^2	12.914 $in.^2$	12.959 $in.^2$
Engine Nozzle			
Length	52 in.	1.102 in.	1.095 in.
Max. Width	141.7 in.	2.993 in.	2.994 in.
Max. Depth	141.7 in.	2.993 in.	2.994 in.
Max. Cross Sectional Area	109.52 ft^2	7.040 $in.^2$	7.040 in^2

Table I. (Continued)

MODEL COMPONENT: Attachment Ring

GENERAL DESCRIPTION: An attachment ring (used to attach the SRB to the ET) is located 27.773 inches model scale (1315 inches full scale) from the nose of the vehicle.

MODEL DRAWING NUMBER: 80M32547, 80M32582

DIMENSIONS:	THEORETICAL L-SCALE	THEORETICAL MODEL SCALE	MEASURED MODEL SCALE
Length			
Max. Width	10.98 in.	0.232 in.	
Max. Depth	9.99 in.	0.211 in.	
Fineness Ratio			
Area			
Max. Cross-Sectional			
Planform			
Wetted			
Base			

Table I. (Continued)

DEL COMPONENT: Electrical Tunnel

GENERAL DESCRIPTION: The electrical tunnel runs along the outside the SRB tank to protect the various electrical cables from aerodynamic loading.

MODEL DRAWING NUMBER: 80M42642

DIMENSIONS:	THEORETI	
	L-SCALE	MODEL SCALE
Length	~ 1274 in.	~ 26.9 in.
Max. Width	13 in.	0.275 in.
Max. Depth	6 in.	0.127 in.
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		

See Figure 4 for more details

Table I. (Continued)

DEL COMPONENT: SRB/ET Thrust Attachment Structure

GENERAL DESCRIPTION: This structured is mounted aft the intersection of nose and body and is used to attach the SRB to the ET.

MODEL DRAWING NUMBER: 80M42641

EORETI

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Length		~ 1.000 in.
Max. Width		~ 2.744 in.
Max. Depth		~ 0.157
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		

See Figure 4. for more details.

Table I. (Continued)

DEL COMPONENT: ENGINE SHROUD STRAKES

GENERAL DESCRIPTION: THE LEADING EDGES OF THE STRAKES ARE LOCATED 0.570 INCHES (0.19 CALIBER) FORWARD OF THC JUNCTION OF BODY AND ENGINE SHROUD. THE TAILING EDGES OF THE STRAKES ARE LOCATED AT THE EXIT PLANE OF THE ENGINE SHROUD.

DRAWING NUMBER:

DIMENSIONS:	THEORETICAL FULL-SCALE	THEORETICAL MODEL SCALE	ACTUAL MEASURED DEL S E
Length (ON SRB BODY)	27 IN.	0.570 IN.	
*Length (ALONE ENGINE SHROUD)	93 IN.	1.964 IN.	
Max. Width		-	
Max. Depth	9.99 IN.	0.211 IN.	
Fineness Ratio			
Area			
Max. Cross-Sectional			
Planform			
Wetted			
Base			

*See Figure 5 for more details.

Table I. (Concluded)

MODEL COMPONENT: SEPARATION MOTORS

GENERAL DESCRIPTION: THE SEPARATION MOTORS ARE ATTACHED TO THE ENGINE SHROUD. THE LEADING EDGE IS AT THE FUNCTION OF THE SRB BODY AND ENGINE SHROUD. THE TRAILING EDGE IS LOCATED AT THE EXIT PLANE OF THE ENGINE SHROUD.

DRAWING NUMBER: 80M32612

DIMENSIONS:	THEORETI FULL-SC	A MODEL SCALE	DEL E
*Length (ALONE ENG. SHROUD)	93 IN.	1.964 IN.	
HEIGHT	19.03 IN.	0.402 IN.	
Max. Depth			
Fineness Ratio			
Area			
Max. Cross-Sectional			
Planform			
Wetted			
Base			

*See Figure 7 for more details.

TABLE II

TEST: Lewis T-035 — DATA SET RUN NUMBER COLLATION SUMMARY — DATE: DEC, 1973 - JAN, 1974

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES Ø	RNF/L	q_∞	STAG. MANIP.	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 2.0	2.7	TEST RUN NUMBERS
RGEOC1	SRB BODY ALONE	5+ 4-	0	0	2.8	595	TAIL	1	1/0	X	
002	(WITH ATTACHMENT	4+ 9-		"	"	"	"		1/1	X	
OC!	RING)	5+ 4-		"	2.4	420	"	1	X	2/0	
002	"	4+ 9-		"	"	"	"		X	2/1	
003	"	5+ 4-		"	2.8	598	SIDE	1	49/0	X	
004	"	4+ 9-		"	"	"	"		49/1	X	
003	"	5+ 4-		"	2.3	422	"	1	X	50/0	
004	"	4+ 9-		"	"	"	"		X	50/1	
005	"	10+ 13-		"	2.8	599	"	1	51/0	X	
006	"	12+ 18-		"	"	"	"		51/1	X	
005	"	10+ 13-		"	2.3	422	"	1	X	52/0	
006	"	13+ 18-		"	"	"	"		X	52/1	
007	"	10+ 13-		"	2.5	506	NOSE	1	8/0	X	
008	"	12+ 18-		"	"	"	"		8/1	X	
007	"	10+ 13-		"	2.4	421	"	1	X	11/0	
008	"	13+ 18-		"	"	"	"		X	10/1	

1	7	13	19	25	31	37	43	49	55	61	67	75 76
CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4	IALPHA	IMACH	1.0
COEFFICENTS										IDVAR (1)	IDVAR (2)	NDV

α OR β SCHEDULES

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TABLE II CONTINUED

TEST: Lewis T-035 — DATA SET RUN NUMBER COLLATION SUMMARY — DATE: DEC, 1973 - JAN, 1974

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES Ø	RN/FT x 10⁻⁶	q∞	STING	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 2.0	2.7
RGE009	SRB WITH ATTACH	-5 to 40	0	45°	2.9	598	TAIL	1	5/0	
010	RING, ELECTRICAL	40 to 90		"	"	"	"		5/1	
009	TUNNEL, AND	-5 to 40		"	2.3	422	"	1		6/0
010	THRUST ATTACH	40 to 90		"	"	"	"			6/1
011	STRUCTURE	90 to 135		"	2.4	506	NOSE	1	14/0	
012	"	135 to 90		"	"	"	"		14/1	
011	"	90 to 135		"	2.3	421	"	1		17/0
012	"	135 to 90		"	"	"	"			17/1
013	"	-5 to 40		90°	2.8	598	TAIL	1	3/0	
014	"	40 to 90		"	"	"	"		3/1	
013	"	90 to 40		"	2.4	421	"	1		4/0
014	"	40 to 90		"	"	"	"			4/1
015	"	90 to 135		"	2.4	507	NOSE	1	15/0	
016	"	135 to 90		"	"	"	"		12/1	
015	"	90 to 135		"	2.3	421	"	1		13/0
016	"	135 to 90		"	"	"	"			13/1
017	"	90 to 40		135°	2.8	597	TAIL	1	27/0	
018	"	40 to 90		"	"	"	"		27/1	

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICENTS — IDVAR (1) — IDVAR (2) — NDV

α OR β SCHEDULES

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TABLE II CONT ED

TEST: T-035 — DATA SET RUN NUMBER COLLATION SUMMARY — DATE: DEC, 1973 - JAN, 1974

DATA SET IDENTIFIER	DESCRIPTION	SCHD. a	SCHD. b	PARAMETERS/VALUES	NO. OF RUNS	MACH NUMBERS OR ALTERNATE INDEPENDENT VARIABLE: 2.0	2.7	TEST RUN NUMBERS
RGE 017	SRB WITH ATTACH	5	0	135 2.3 422 TAIL	1		28/0	
018	RING ELECTRICAL	4	"	" " " "			28/1	
019	TUNNEL AND	90	"	" 2.4 507 NOSE	1	25/0		
020	THRUST ATTACH	135	"	" " " "		25/1		
019	STRUCTURE	90	"	" 2.3 422 "	1		26/0	
020	"	135	"	" " " "			26/1	
021	SRB WITH ATTACH	5	0	0 2.9 578 TAIL	1	33/0		
022	RING AND B	40	"	" " " "		33/1		
021	ENGINE SHROUD	90	"	" 2.3 422 "	1		42/0	
022	STRAKES	40	"	" " " "			42/1	
023	"	90	"	" 2.4 507 NOSE	1	20/0		
024	"	135	"	" " " "		20/1		
023	"	90	"	" 2.3 422 "	1		22/0	
	"	135	"	" " " "			22/1	
025	"	5	22½	2.8 578 TAIL	1	36/0		
026	"	40	"	" " " "		36/1		
025	"	90	"	" 2.3 422 "	1		43/0	
026	"	40	"	" " " "			43/1	

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICENTS — IDVAR (1) — IDVAR (2) — NDV

a OR b SCHEDULES

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TABLE II CONTINUED

TEST: Lewis T-035 — DATA SET/RUN NUMBER CORRELATION SUMMARY — DATE: DEC, 1973 - JAN, 1974

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES Φ	RNFT x10⁻⁶	q∞	STING MOUNT	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 2.0	2.7
RGE 027	SRB WITH ATTACH	90 to 135		22½	2.4	508	NOSE	1	18/0	
028	RING AND 8	135 to 185		"	"	"	"		18/1	
027	ENGINE SHROUD	90 to 135		"	2.4	422	"	1		19/0
028	STRAKES	135 to 185		"	"	"	"			19/1
029	SRB WITH ATTACH	5 to 40		90	2.8	595	TAIL	1	32/0	
030	RING AND TWO	40 to 90		"	"	"	"		32/1	
029	ENGINE SHROUD	5 to 40		"	2.3	422	"	1		40/0
030	STRAKES	40 to 90		"	"	"	"			40/1
031	"	90 to 135		"	2.4	508	NOSE	1	23/0	
032	"	135 to 185		"	"	"	"		23/1	
031	"	90 to 135		"	2.3	422	"	1		24/0
032	"	135 to 185		"	"	"	"			24/1
033	SRB WITH ALL	5 to 40		"	2.9	599	TAIL	1	34/0	
034	PROTUBERANCES	40 to 90		"	"	"	"		34/1	
033	"	5 to 40		"	2.3	423	"	1		44/0
031	"	40 to 90		"	"	"	"			44/1
035	"	5 to 40		"	2.8	599	SIDE	1	47/0	
036	"	40 to 90		"	"	"	"		47/1	

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICENTS — IDVAR (1) — IDVAR (2) — NDV

α OR β SCHEDULES

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TABLE II CONTINUED

TEST: Lewis T-035 — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: DEC, 1973 - JAN, 1974

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES ϕ	RN/ℓ x 10⁻⁶	M∞	STRING MOUNT	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 2.0	2.7	TEST RUN NUMBERS
RGE 035	SRB WITH ALL	-5 to 40		90	2.3	422	SIDE	1	X	48/0	
036	PROTUBERANCES	40 to 90		"	"	"	"		X	48/1	
037	"	90 to 135		"	2.8	600	"	1	46/0	X	
038	"	135 to 185		"	"	"	"		46/1	X	Bad Pitching Moment Amplifier
037	"	90 to 135		"	2.3	422	"	1	X	43/0	
038	"	135 to 185		"	"	"	"		X	45/1	
039	"	90 to 135		"	2.5	507	NOSE	1	14/0	X	
040	"	135 to 185		"	"	"	"		14/1	X	
039	"	90 to 135		"	2.3	420	"	1	X	15/0	
040	"	135 to 185		"	"	"	"		X	15/1	
041	SRB BODY ALONE	40 to 90		0	2.9	598	TAIL	1	30/0	X	
042	(WITH ATTACHMENT	-5 to 40		"	"	"	"		30/1	X	
043	RING) WITH	-5 to 40		"	2.3	422	"	1	X	39/0	
044	#120 TRIP STRIPS	40 to 90		"	"	"	"		X	39/1	
045	"	-5 to 40		"	0.6	107	"	1	29/0	X	Data Not included because CN curves do not pass thru zero when α=0.
046	"	40 to 90		"	"	"	"		29/1	X	
047	"	-5 to 40		"	0.5	87	"	1	X	39/0	
048	"	40 to 90		"	"	"	"		X	38/1	

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICENTS — IDVAR (1) — IDVAR (2) — NDV

α OR β SCHEDULES

MSFC - Form 263-2 (Rev. May 1973)

TABLE II CONCLUDED

TEST: Lewis T-035 — DATA SET RUN NUMBER COLLATION SUMMARY — DATE: DEC, 1973 - JAN, 1974

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES ϕ	PARAMETERS/VALUES RN/FT ×10⁻⁶	PARAMETERS/VALUES q∞	PARAMETERS/VALUES STING/BODY	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 2.0	2.7		TEST RUN NUMBERS
RGE049	SRB BODY ALONE WITH #120 TRIP STRIP	-5 to 40	0	0	2.3	421	TAIL	1	X	31/0	RUN 31/0 ABORTED AFTER A FEW α's	
050	SRB BODY ALONE	90 to 140		11	2.8	596	NOSE	1	7/0	X	BALANCE AXIAL FORCE CAPACITY REACHED AT α ≈ 40°	
051	(WITH ATTACHMENT	135 to 90		"	2.5	506	"	1	9/0	X		
052	RING)	140 to 90		"	"	"	"		9/1	X	DATA OBTAINED BY PITCHING α IN DIRECTION OPPOSITE TO RUNS 8/0, 8/1, 10/0, 10/1	
051	"	135 to 140		"	2.4	421	"	1	X	11/0		
052	"	140 to 90		"	"	"	"		X	11/1		
053	"	-5 to 40		"	0.6	109	TAIL	1	37/0	X		
054	"	40 to 90		"	"	"	"		37/1	X		
055	SRB WITH ATTACH RING	-5 to 40		"	2.3	422	"	1	X	41/0	THESE RUNS ABORTED	
056	(SRB ENGINE SHROUD STRUCK)	135 to 35		"	2.2	425	NOSE	1	X	21/0		
057	SRB WITH ALL PROTUB.	-5 to 40		"	2.3	423	TAIL	1	X	35/0		

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICENTS — IDVAR (1) — IDVAR (2) — NDV

α OR β SCHEDULES

MSFC - Form 263-2 (Rev. May 1973)

TEST : LeRC SWT-035 | DATE : Dec. 1973

Table III
TEST CONDITIONS & BALANCE RATED CAPACITY
TEST LEWIS RESEARCH CENTER 10 x 10 SWT-035

MACH NUMBER	REYNOLDS NUMBER (per foot)	DYNAMIC PRESSURE (pounds/ft^2)	STAGNATION TEMPERATURE (degrees Fahrenheit)
2.0	0.56×10^6	107	~75
2.0	2.50×10^6	506	~100
2.0	2.81×10^6	595	~100
2.7	0.514×10^6	86	~77
2.7	2.37×10^6	420	~100

BALANCE UTILIZED: Langley Research Center IR-16

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF	700 lbs		
SF	300 lbs		
AF	85 lbs		
PM	1750 in-lbs		
RM	350 in-lbs		
YM	750 in-lbs		

COMMENTS: The above are average values.

TABLE IV. IDENTIFICATION OF DATA SETS THAT WERE USED TO DERIVE OTHER DATA SETS

Configuration or Parameter	Roll Angle, Degrees	Derived Data Set	Data sets that were used to derive other data sets for the indicated α_T range.			
			-5° to 40°	40° to 90°	90° to 135°	135° to 185°
SRB Body Alone (with attachment ring)	0	GGE101	RGE001	RGE004	RGE005	RGE008
SRB with attach ring, electrical tunnel and thrust attach structure	45	GGE109	RGE009	RGE010 -RGE002 +RGE004	RGE011 -RGE007 +RGE008	RGE020
	90	GGE113	RGE013	RGE014 -RGE002 +RGE004	RGE015 -RGE007 +RGE005	RGE016
	135	GGE117	RGE017	RGE018 -RGE002 +RGE004	RGE019 -RGE007 +RGE005	RGE020
Change in coefficients caused by adding the electrical tunnel and the thrust attach structure to the test configuration	45	EGE109	RGE009 -RGE001	RGE010 -RGE002	RGE011 -RGE007	RGE020 -RGE008
	90	EGE113	RGE013 -RGE001	RGE014 -RGE002	RGE015 -RGE007	RGE016 -RGE008
	135	EGE117	RGE017 -RGE001	RGE018 -RGE002	RGE019 -RGE007	RGE020 -RGE008

TABLE IV. (Continued)

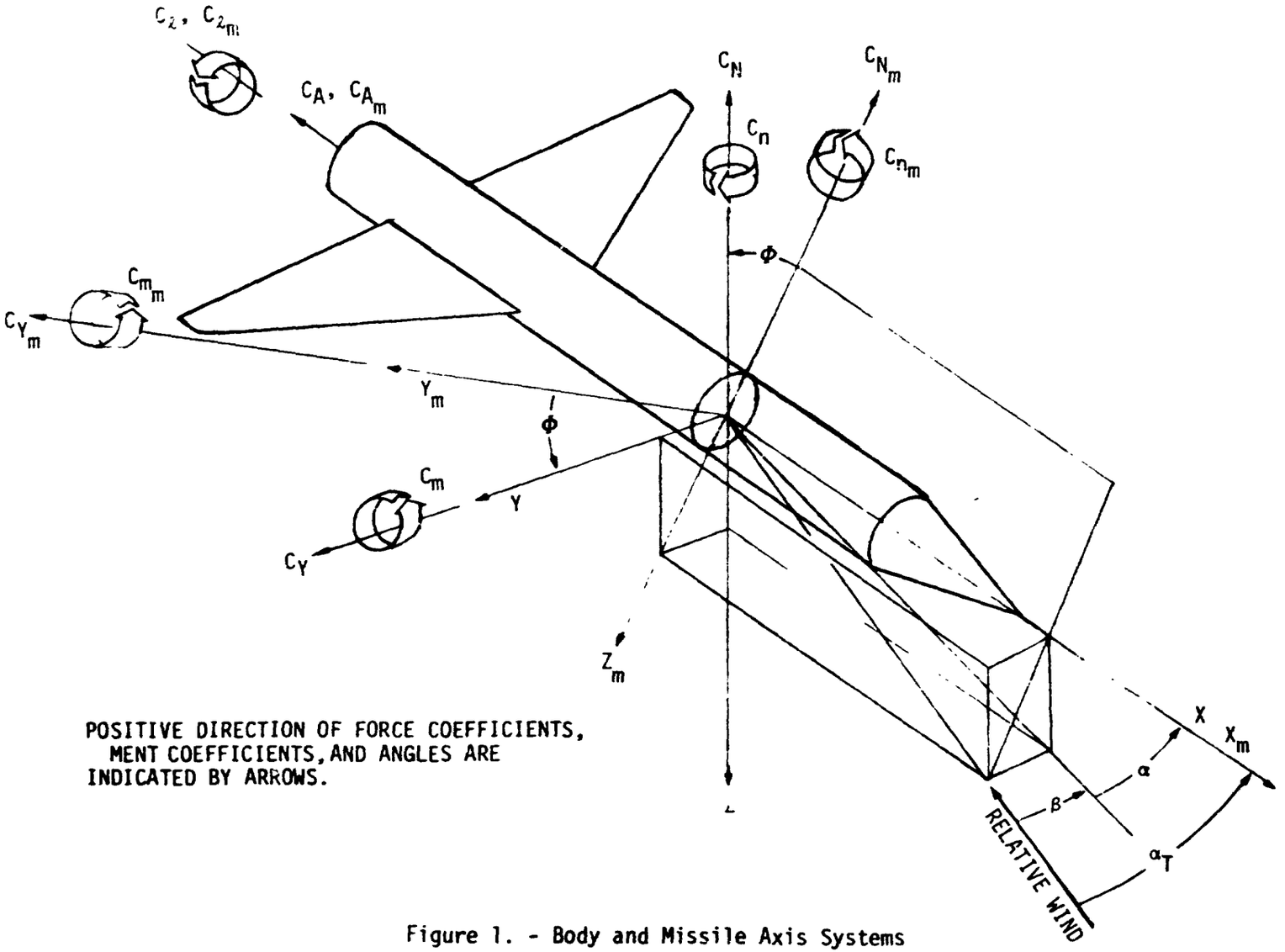
Configuration or Parameter	Roll Angle, Degrees	Derived Data Set	Data sets that were used to derive other data sets for the indicated α_T range. -5° to 40°	40° o 90°	90° to 135°	135° to 185°
SRB with attach ring and 8 engine shroud strakes	0	GGE119	RGE021	RGE022 -RGE002 +RGE004	RGE023 -RGE007 +RGE005	RGE024
	22.5	GGE125	RGE025	RGE026 -RGE002 +RGE004	RGE027 -RGE007 +RGE005	RGE028*
Change in coefficients caused by adding 8 engine shroud strakes to the test configuration	0	EGE119	RGE021 -RGE011	RGE022 -RGE002	RGE023 -RGE007	RGE024 -RGE008
	22.5	EGE125	RGE025 -RGE001	RGE026 RGE002	RGE027 -RGE007	RGE028* -RGE008
SRB with attach ring and 2 engine shroud strakes	90	GGE129	RGE029	RGE030 -RGE002 +RGE004	RGE031 -RGE007 +RGE005	RGE032
Change in coefficients caused by adding 2 engine shroud strakes to the test configuration	90	EGE129	RGE029 -RGE001	RGE030 -RGE002	RGE031 -RGE007	RGE032 -RGE008

*Insufficient data available at M = 2.70 for this angle-of-attack range.

TABLE IV. Concluded

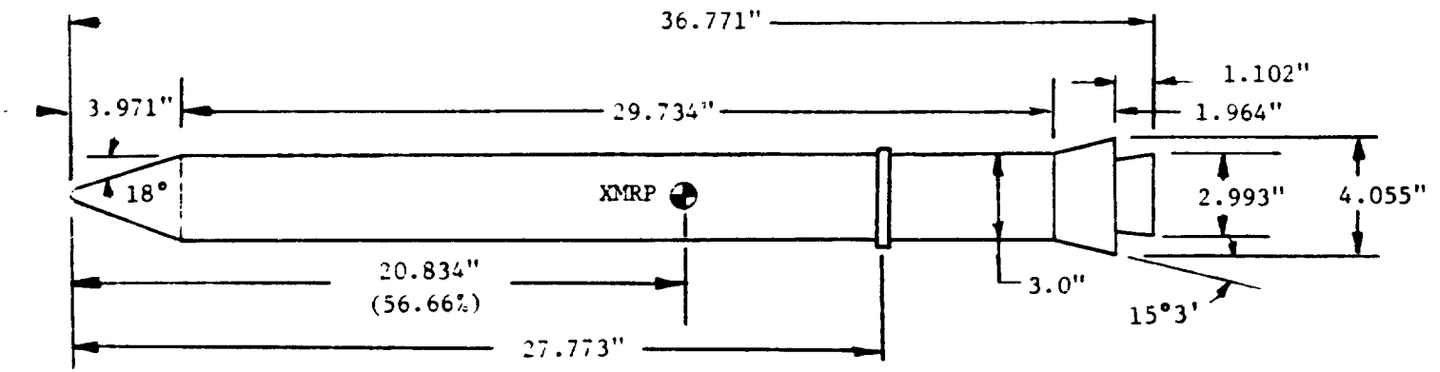
Configuration or Parameter	Roll Angle, Degrees	Derived Data Set	Data sets that were used to derive other data sets for the indicated α_T range.			
			-5° to 40°	40° to 90°	90° to 135°	135° to 185°
SRB with all Protuberances (method one)	90	—	RGE033	RGG036	RGE037*	RGE040
SRB with all Protuberances (method two)	90	GGE133	RGE033	RGE034 -RGE002 +RGE004	RGE039 -RGE007 +RGE005	RGE040

*C_m data not available for this angle-of-attack range.



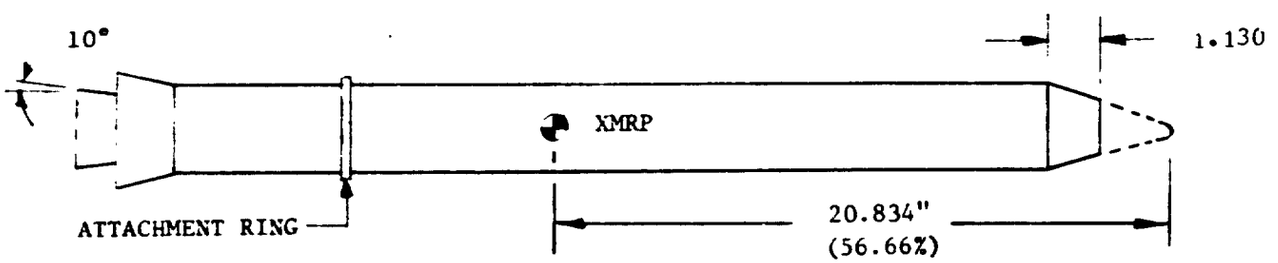
POSITIVE DIRECTION OF FORCE COEFFICIENTS, MENT COEFFICIENTS, AND ANGLES ARE INDICATED BY ARROWS.

Figure 1. - Body and Missile Axis Systems



=0
=0

REAR AND SIDE MOUNT



NOSE MOUNT

(ENGINE SHROUD/NOZZLE S ETRIC WITH BODY)

Figure 2. 142 INCH DIAMETER SRB - 0.02112 SCALE MODEL
(SRB CONFIGURATION 139 - MSFC MODEL #454)

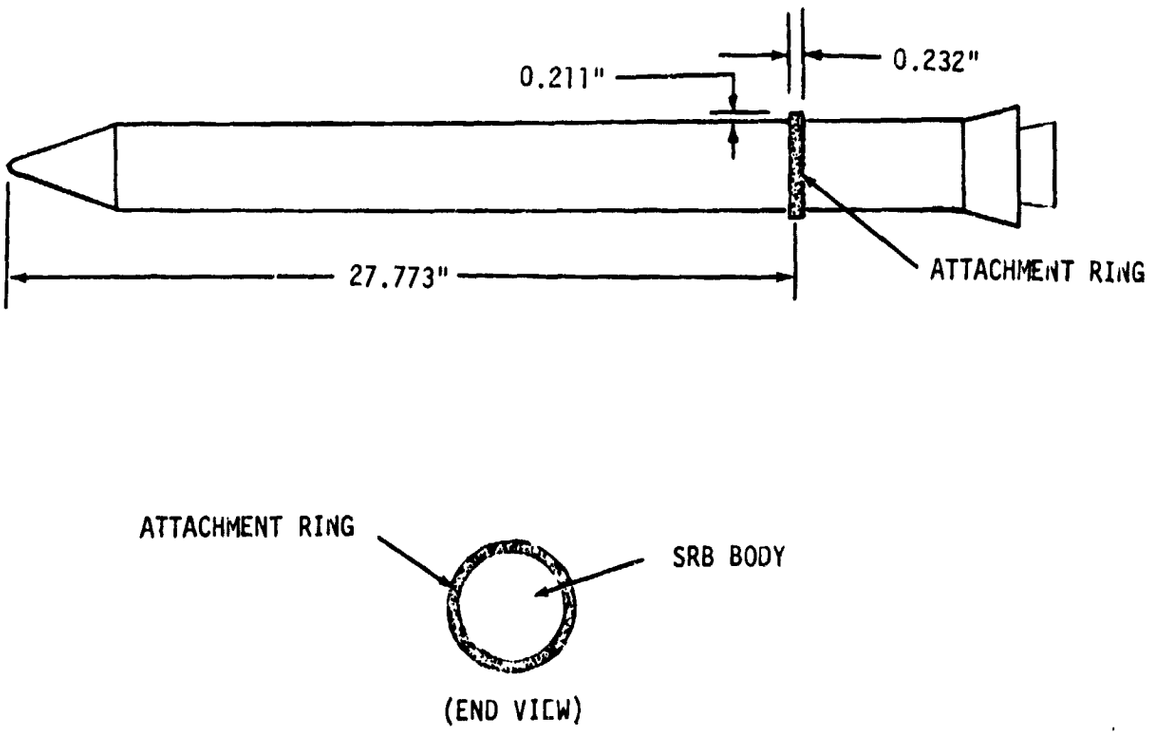
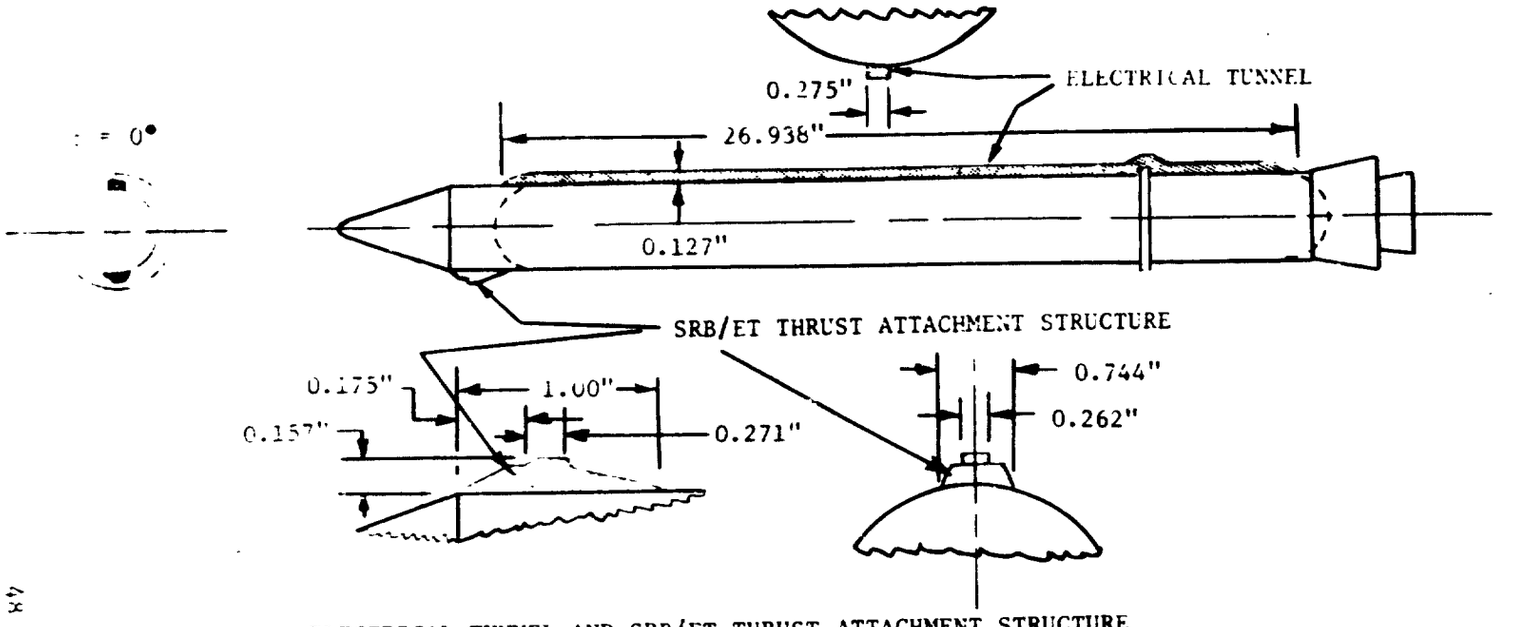
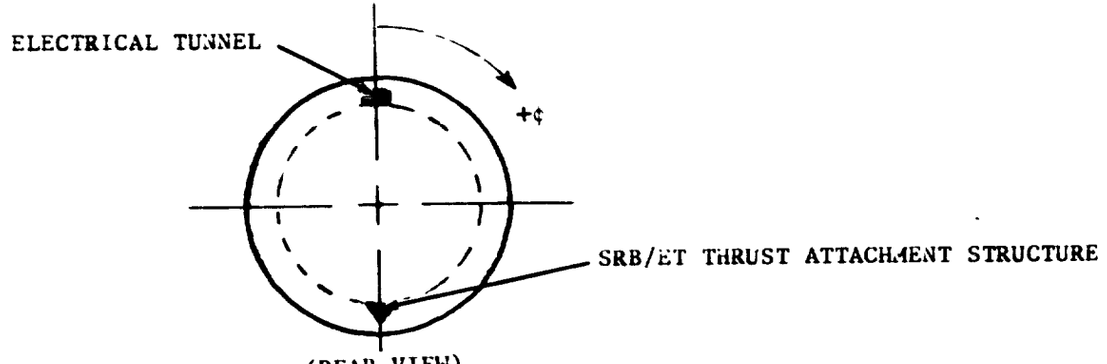


Figure 3. SRB/ET ATTACHMENT RING (MSFC MODEL #454)

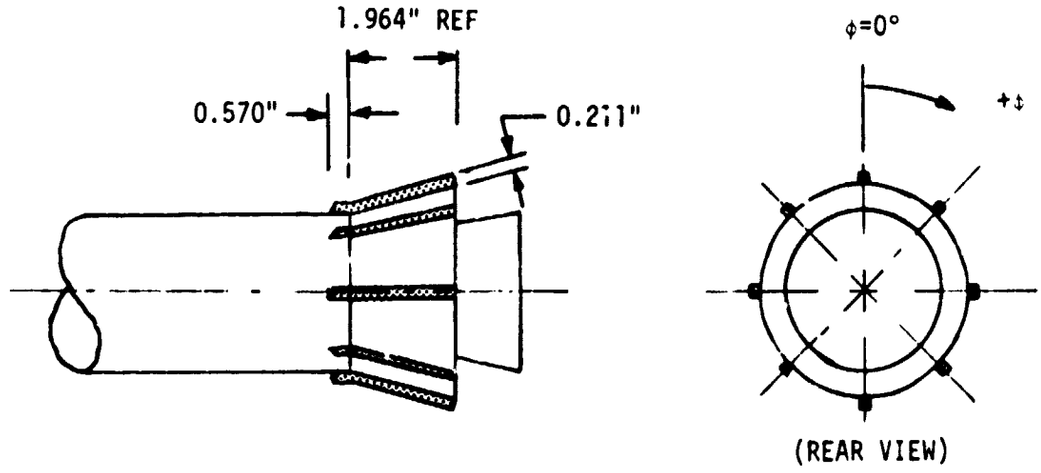


ELECTRICAL TUNNEL AND SRB/ET THRUST ATTACHMENT STRUCTURE

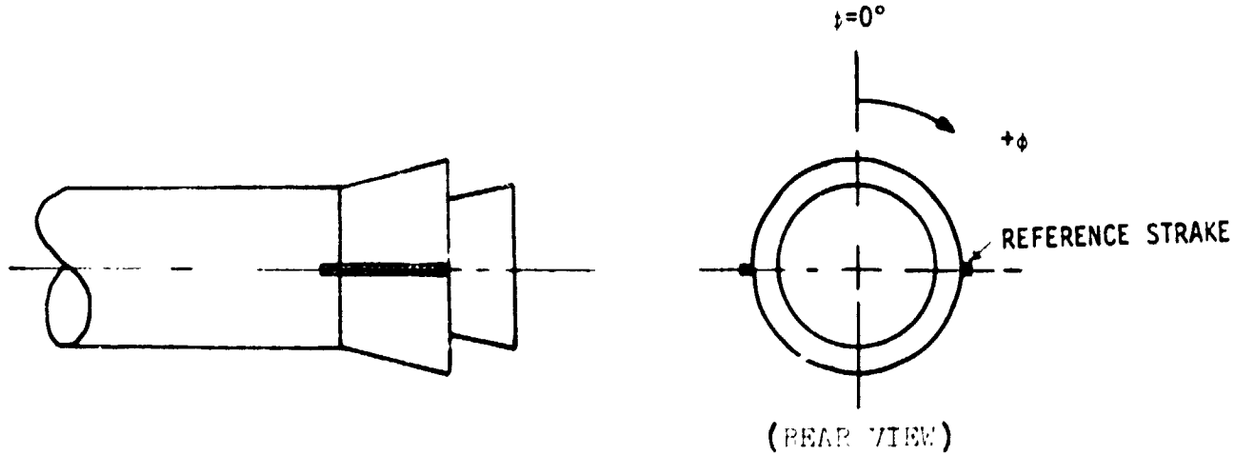


ROLL (ϕ) SIGN CONVENTION

FIGURE 4. ELECTRICAL TUNNEL AND SRB/ET THRUST ATTACHMENT STRUCTURE (MSFC MODEL #454)

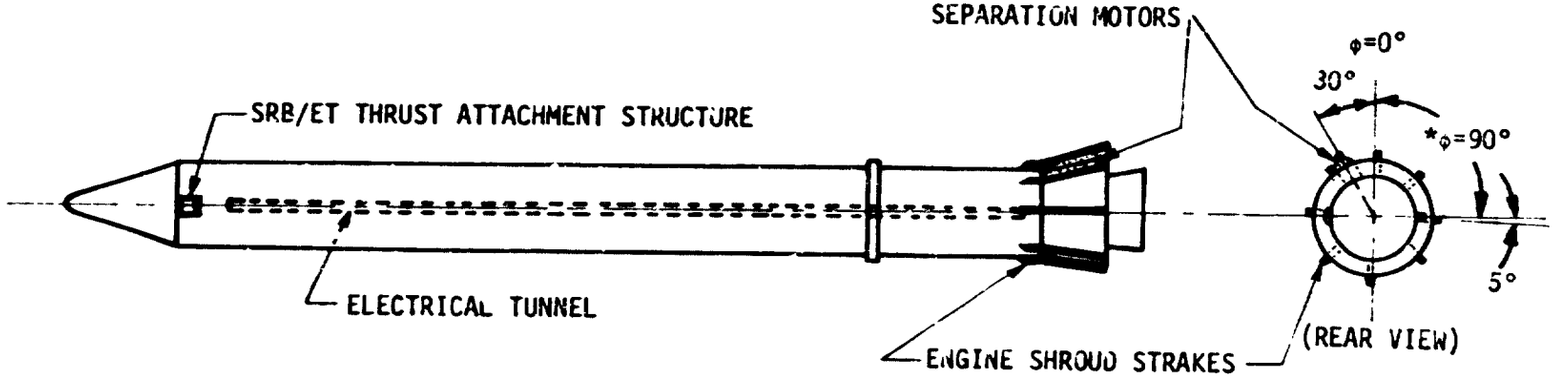


8-ENGINE SHROUD STRAKES AND ROLL (φ) SIGN CONVENTION



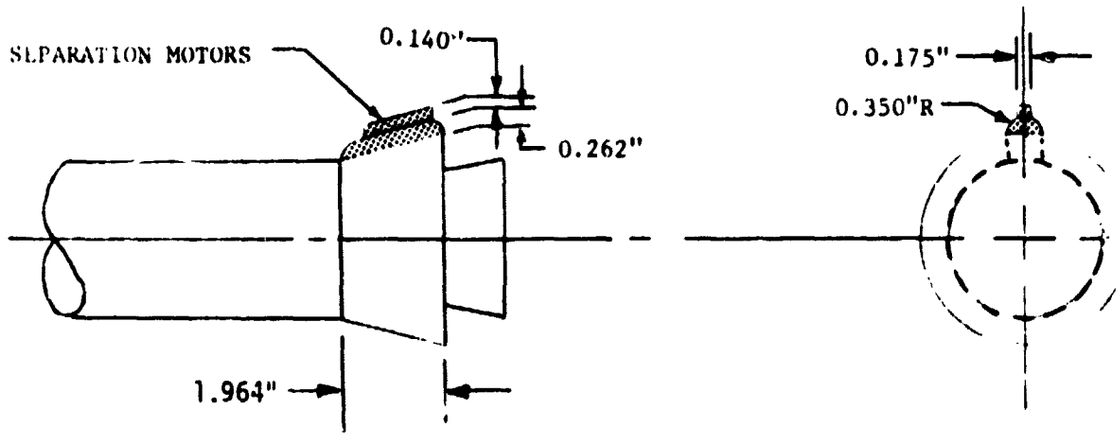
2-ENGINE SHROUD STRAKES AND ROLL (φ) SIGN CON

Figure 5. ENGINE SHROUD STRAKES (MSFC DEL #454)



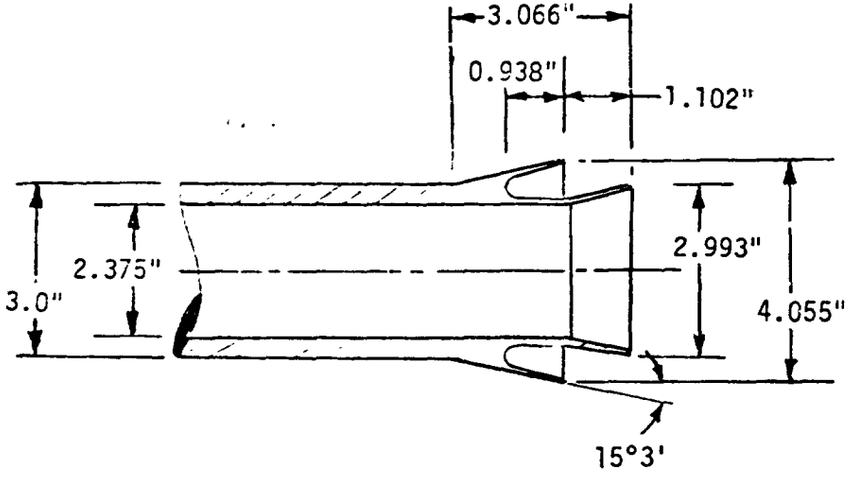
*NOTE: ROLL (:) BASED ON ELECTRICAL TUNNEL

Figure 6. SRB WITH ALL EXTE PROTUBERANCES

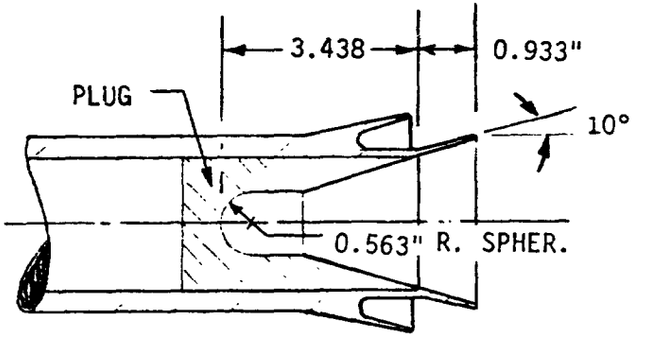


SRB SEPARATION MOTORS

Figure 7. SRB SEPARATI TORS (MSFC DEL #454)



WITHOUT PLUG



"PLUGGED" TAIL SECTION
(NOSE AND SIDE MOUNTED)

Figure 8. DETAILS OF SRB MODEL TAIL SECTION

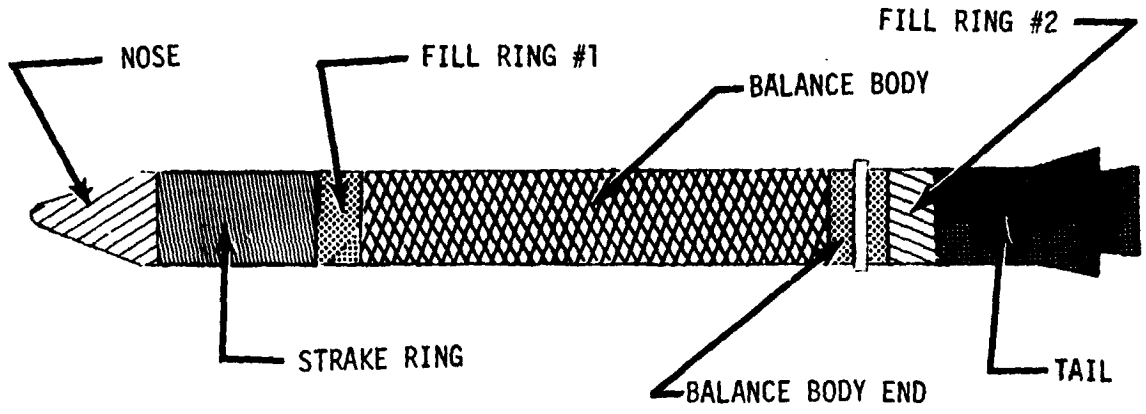


Figure 9. MAJOR MODEL SECTIONS

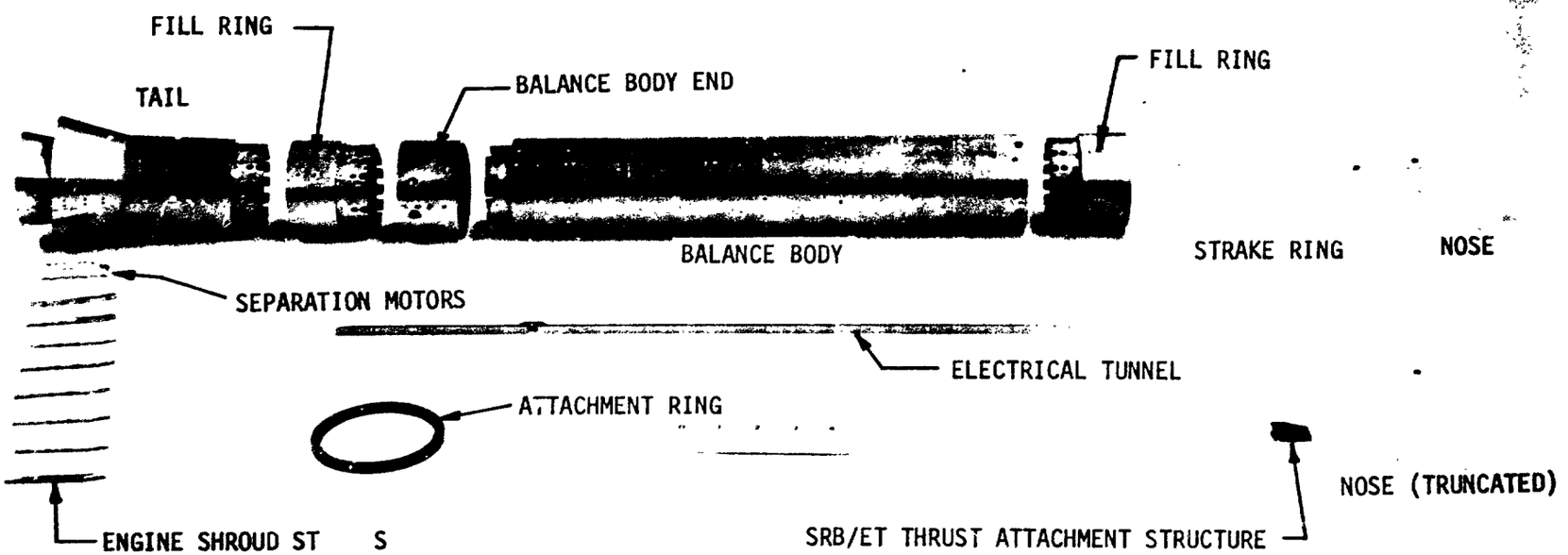


Figure 10. DEL C PONENTS USED IN LEWiS RESEARCH CENTER 10' SWT TEST-035

Figure 11. PHOTOGRAPH OF TUNNEL INSTALLATION OF SRB WITH ALL PROTUBERANCES FOR AN ALPHA RANGE OF -5° TO 90° (TAIL MOUNTED)

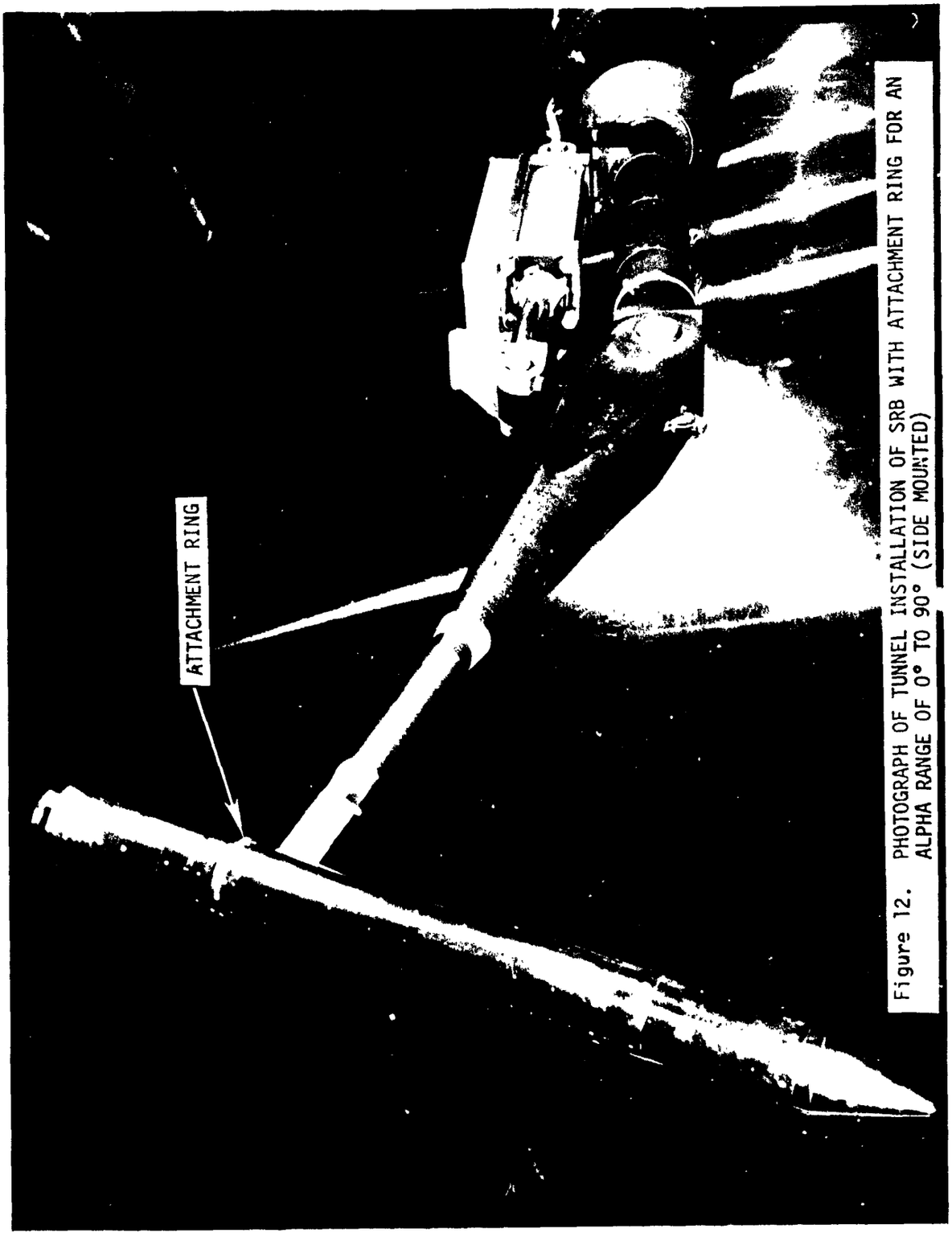


Figure 12. PHOTOGRAPH OF TUNNEL INSTALLATION OF SRB WITH ATTACHMENT RING FOR AN ALPHA RANGE OF 0° TO 90° (SIDE MOUNTED)

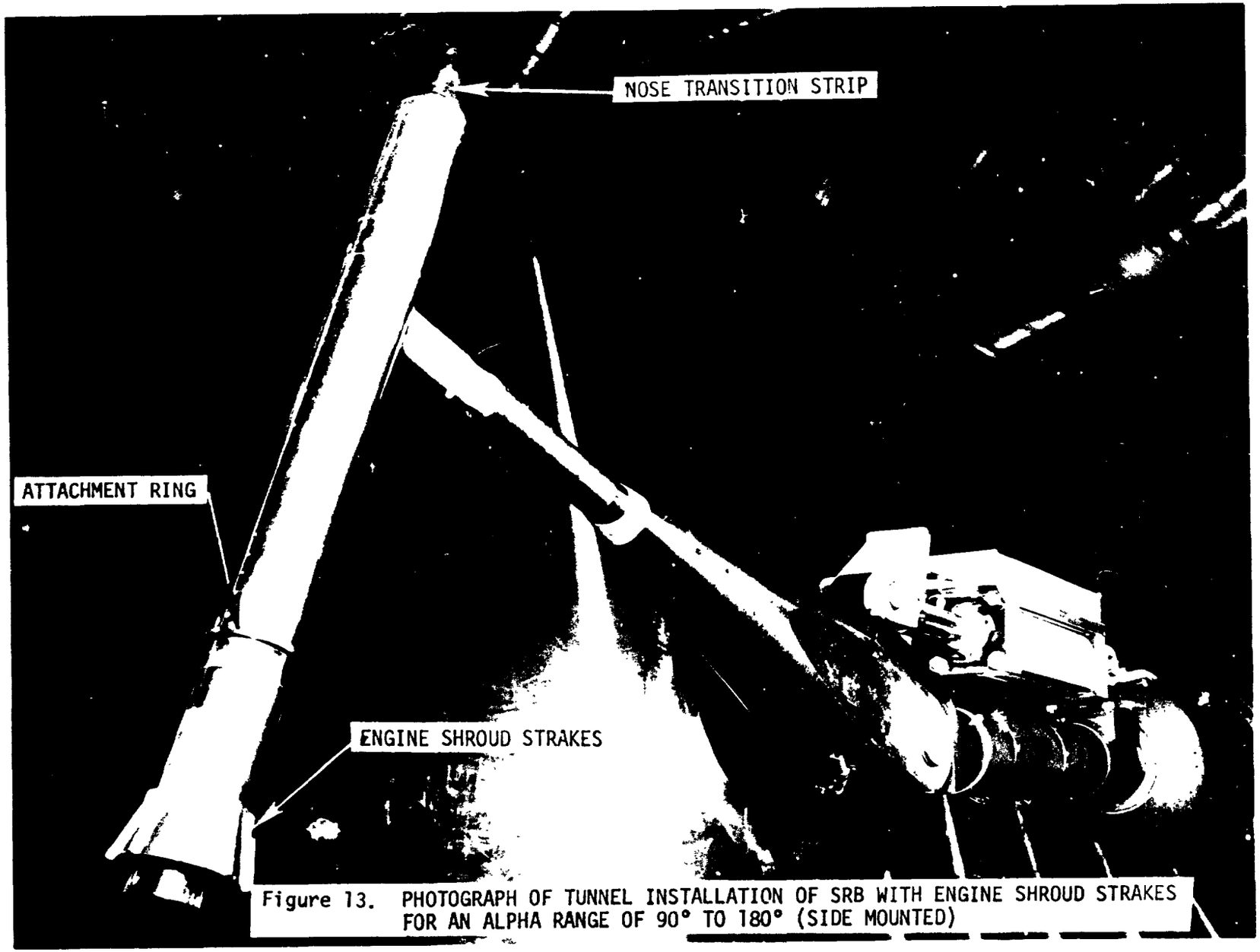


Figure 13. PHOTOGRAPH OF TUNNEL INSTALLATION OF SRB WITH ENGINE SHROUD STRAKES FOR AN ALPHA RANGE OF 90° TO 180° (SIDE MOUNTED)

Figure 14. PHOTOGRAPH OF TUNNEL INSTALLATION OF SRB WITH ATTACHMENT RING FOR AN ALPHA RANGE OF 90° TO 185° (NOSE MOUNTED)

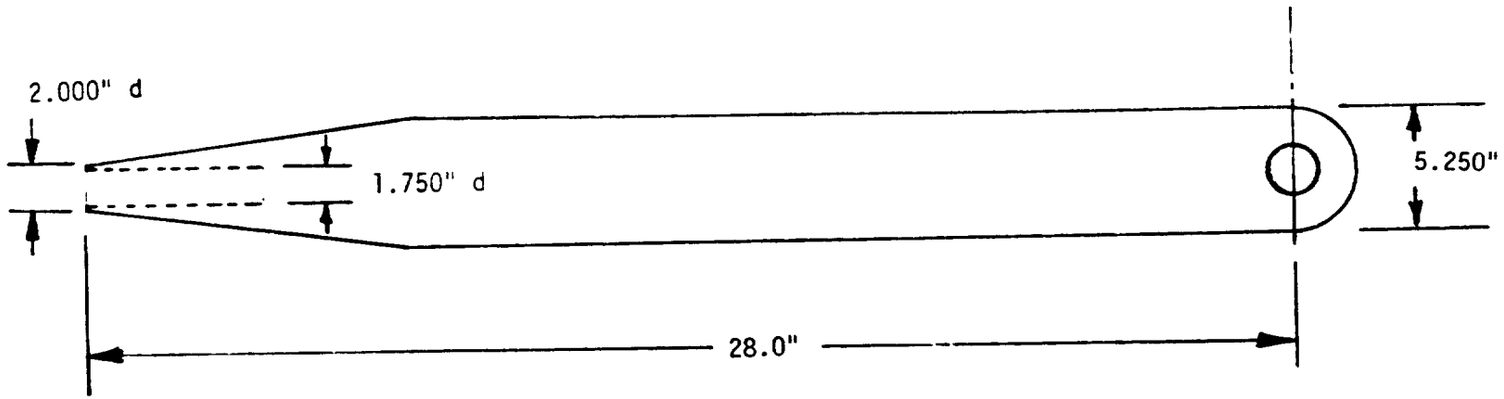
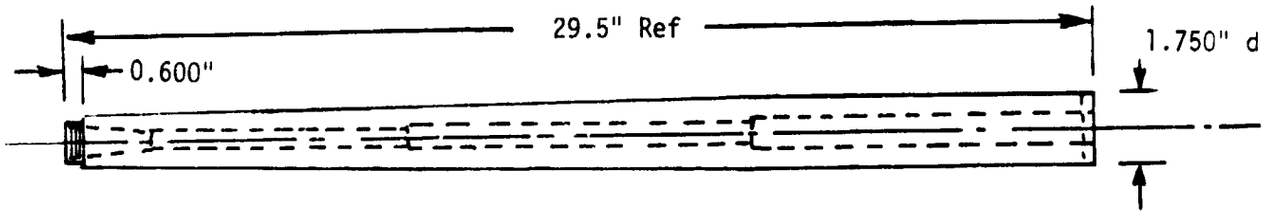
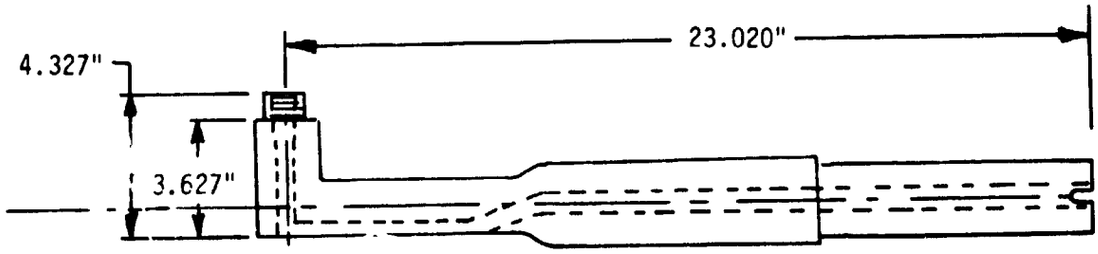


Figure 15. STING (MAIN) (MSFC DWG 80M42647)
(α FROM -5 TO 185°)



STING (MSFC DWG 80M42650)

(α = -5° TO 185°)



STING (90°) (MSFC DWG 80M51332)

(α = -5° TO 185°)

Figure 16. TWO STINGS FOR MOUNTING MODEL TO MAIN STING FOR ANGLES-OF-ATTACK RANGE

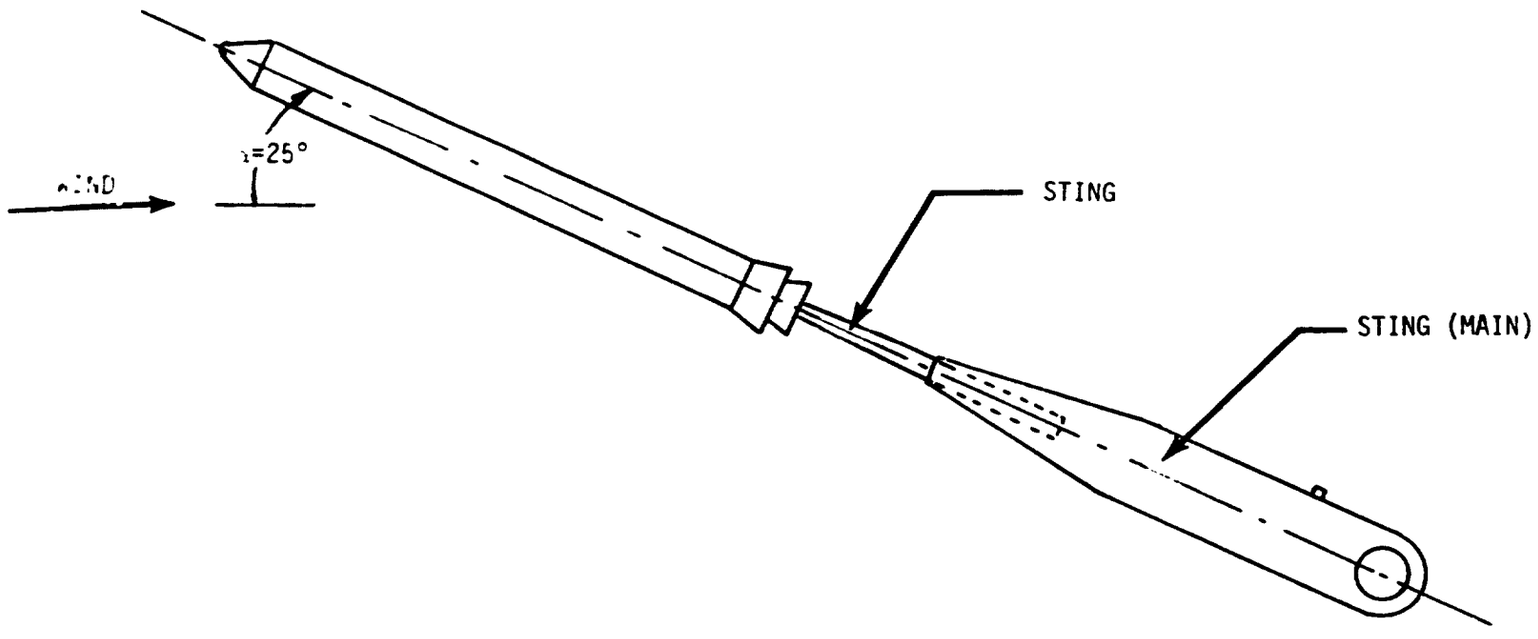


Figure 17. TYPICAL CO INATION OF SUPPORT HARDWARE FOR AN ANGLE-OF-ATTACK RANGE OF -5° TO 90°

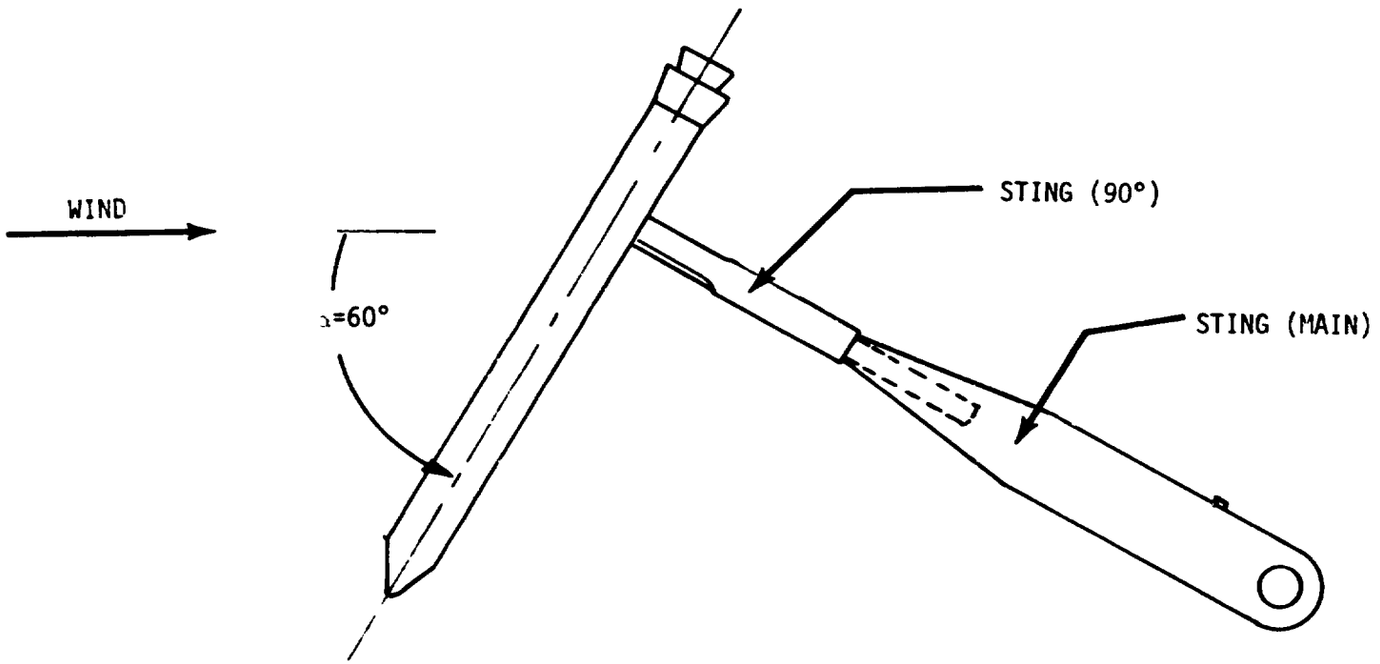


Figure 18. TYPICAL COMBINATION OF SUPPORT HARDWARE FOR AN ANGLE-OF-ATTACK RANGE OF 0° TO 90°

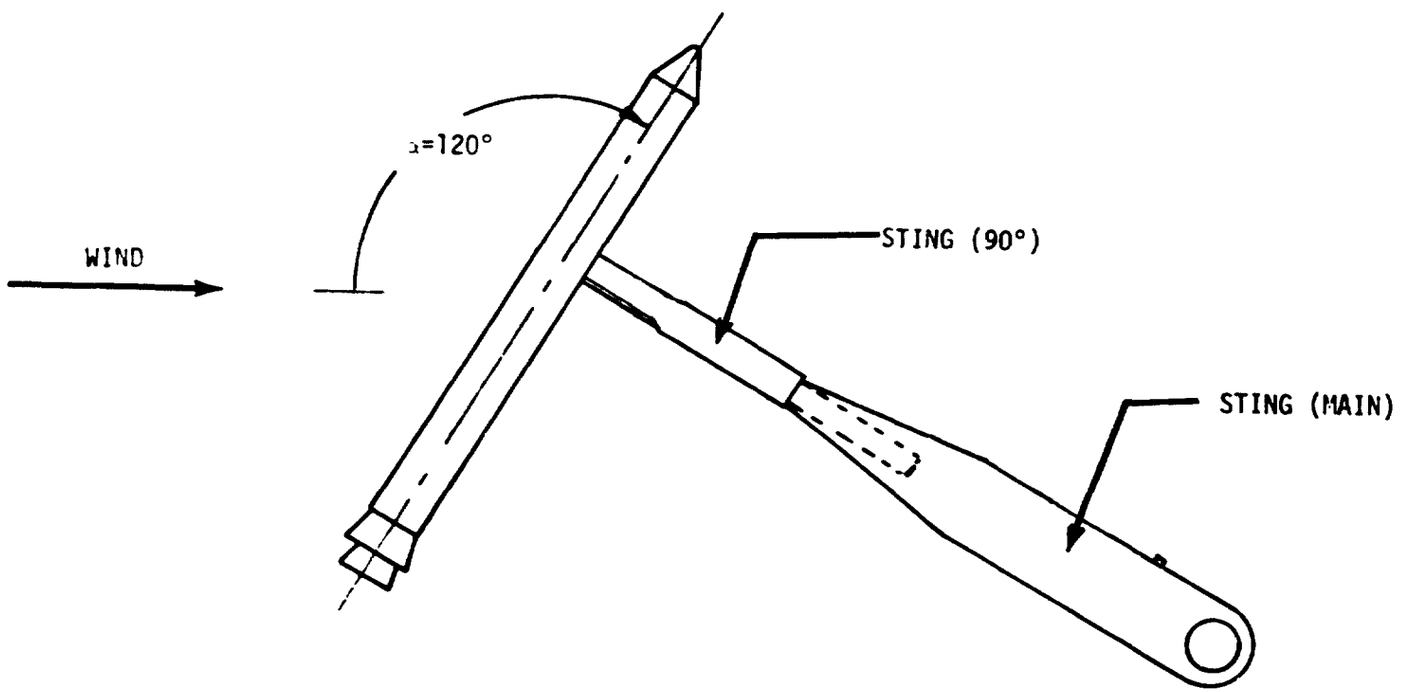


Figure 19. TYPICAL C INATION OF SUPPORT HAR ARE FOR ANGLE-OF-ATTACK RANGE OF 90° TO 180°

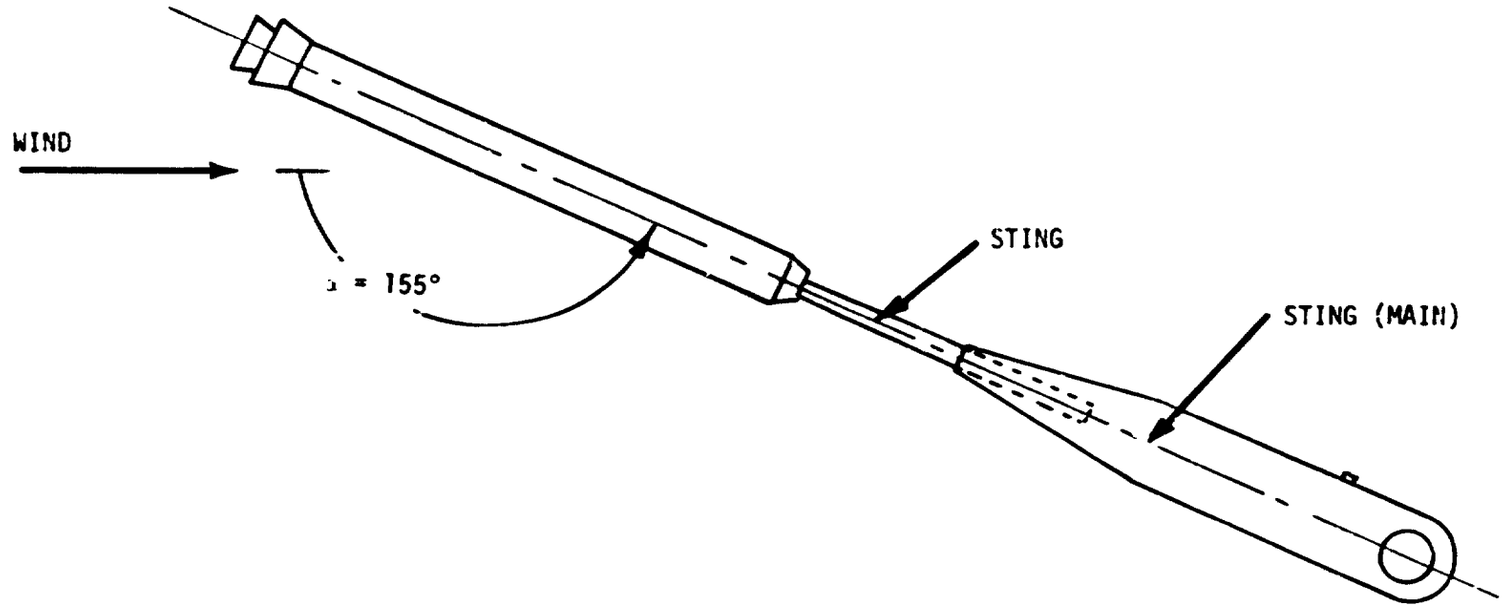
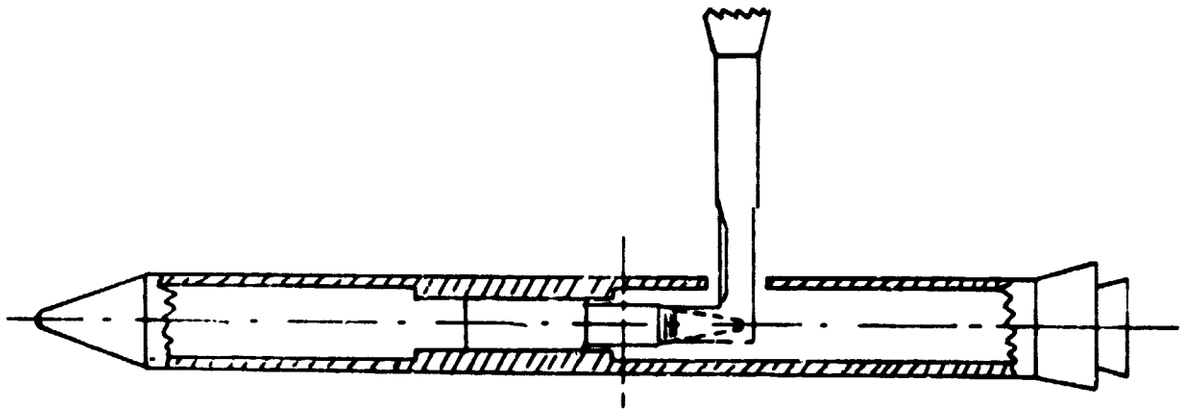
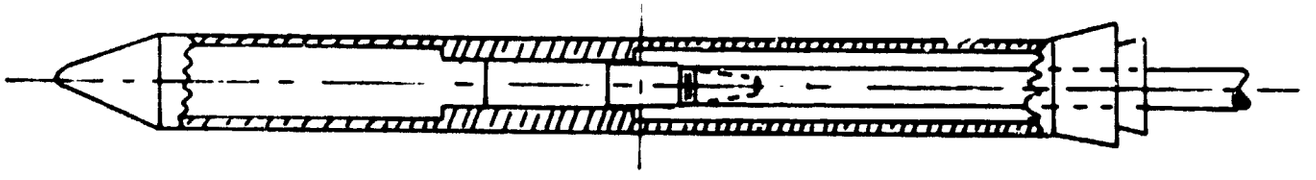


Figure 20. TYPICAL C INATION OF SUPPORT HARDWARE FOR AN ANGLE-OF-ATTACK RANGE OF 90° TO 185°

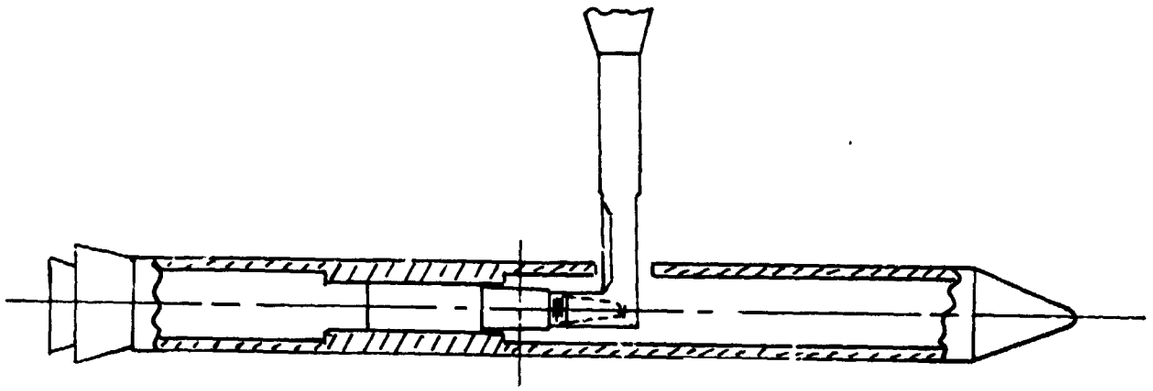


α = -5 to 90°

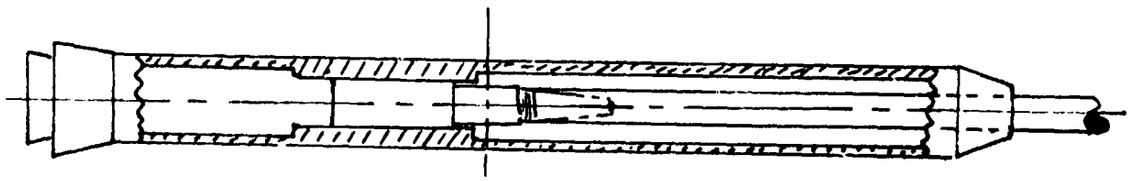


α = -5 to 90°

Figure 21. MOUNTING AR GEM S FOR ANGLES-OF-ATTACK F -5 TO 90 DEGREES (MSFC MODEL 454)



α = 90 to 185°



α = 90 to 185°

Figure 22. MOUNTING ARRANGEMENTS FOR ANGLES-OF-ATTACK FROM 90 TO 185 DEGREES (MSFC MODEL 454)

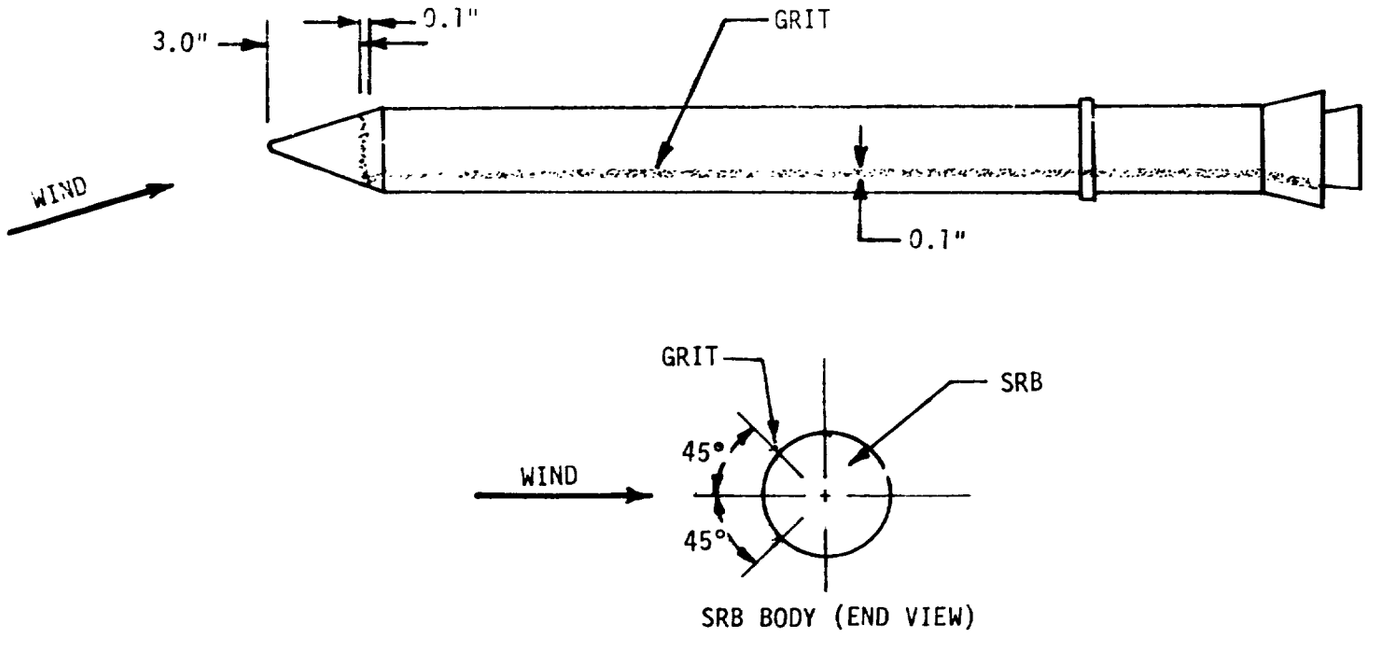


Figure 23. GRIT PATTERN USED IN LeRC WIND TUNNEL TEST 10'SWT-035

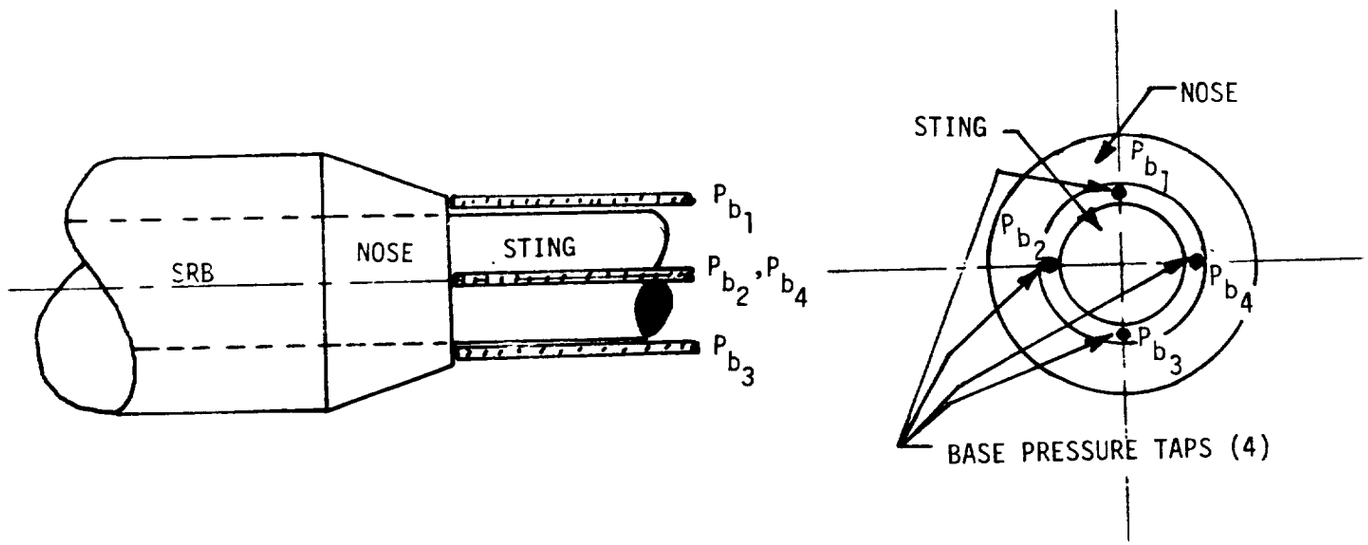


Figure 24. BASE PRESSURE TAP LOCATIONS FOR ANGLES-OF-ATTACK FROM 90 TO 185 DEGREES

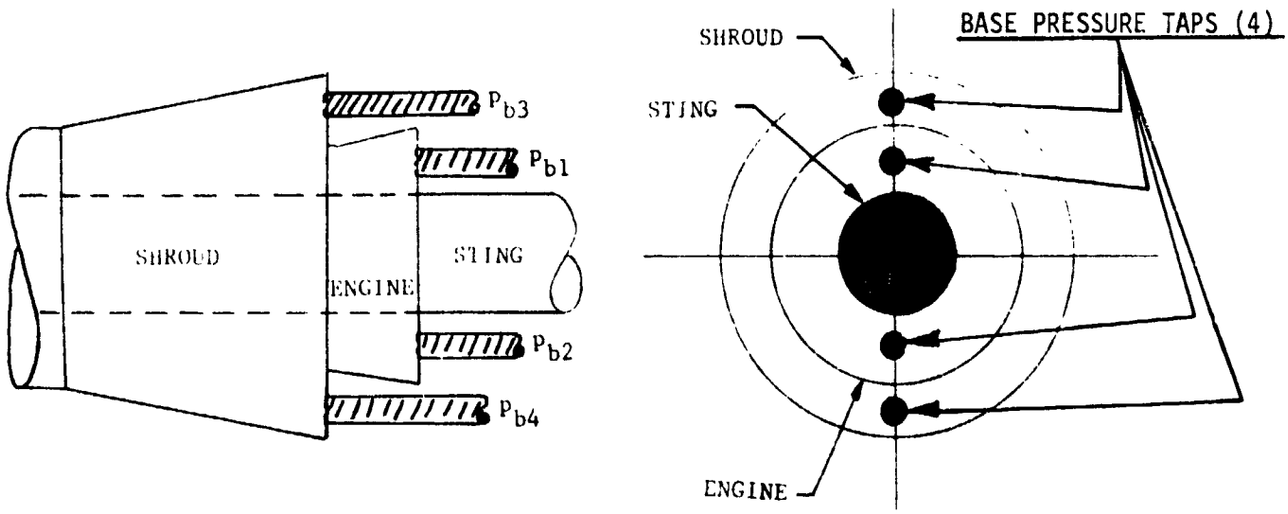
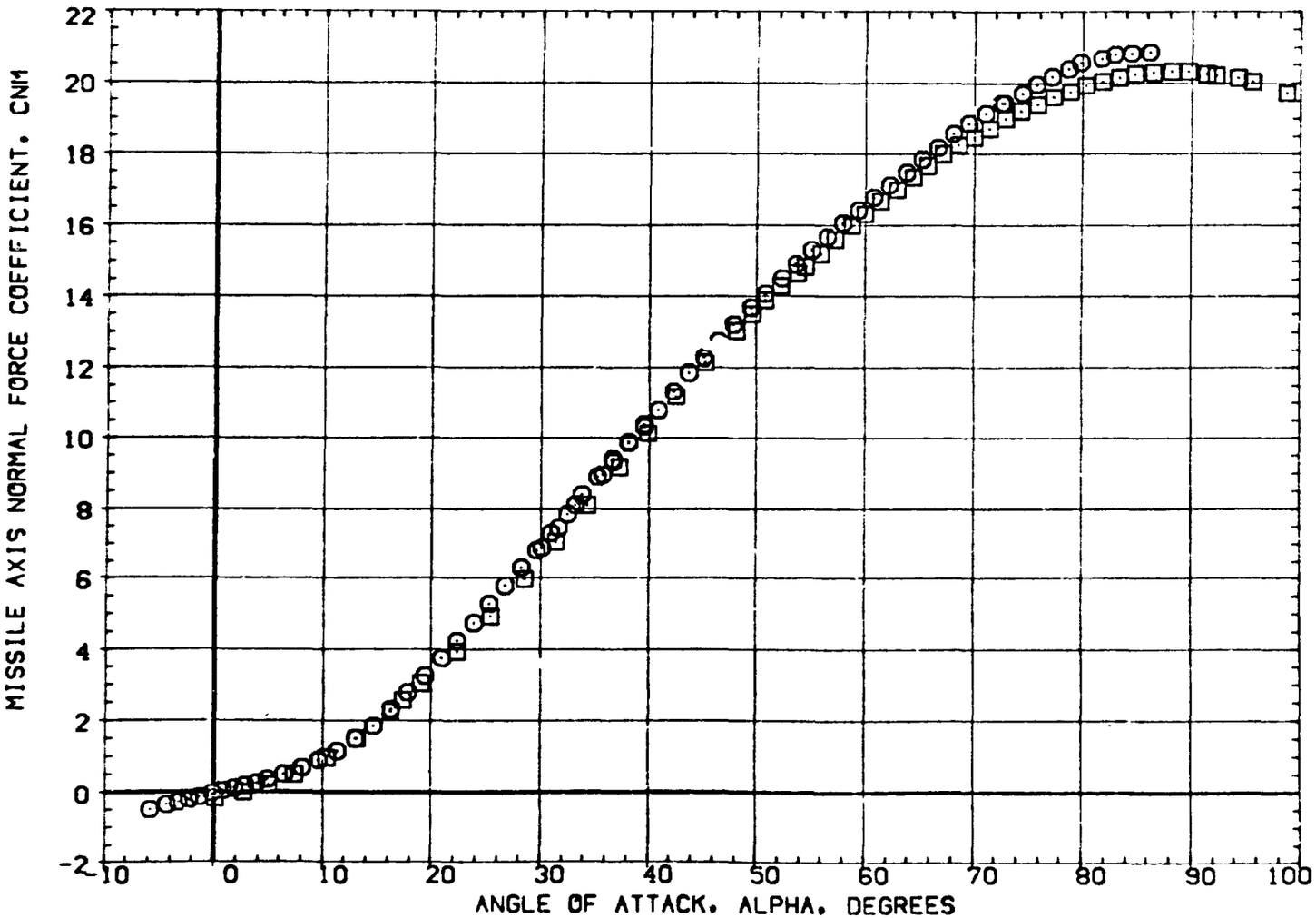


Figure 25. BASE PRESSURE TAP LOCATIONS FOR ANGLES-OF-ATTACK FROM -5 TO 90 DEGS

DATA FIGURES

DATA SET	SY	I TION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(CGE001)	○	LEWIS T-035 SA6F 142-IN SRB.(TAIL TED L)	.000	.000	1.000	.000
(CGE002)	□	LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	.000
(CGE003)		LEWIS T-035 SA6F 142-IN SRB.(SIDE MOUNTED MODEL)	.000	.000	1.000	.000
(CGE004)		LEWIS T-035 SA6F 142-IN SRB.(SIDE MOUNTED L)	.000	.000	1.000	.000

REFERENCE INF		TION
SREF	7.	SQ.IN.
LREF	3.	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.	IN.
SCALE	.0211	



AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (RN/L= MAX,ALPHA 0- 90)

(A)MACH = 2.00

DATA SET	SY	CONFIGURATION DESCRIPTION		PHI	BETA	ATTRNG	ENGSTK
(CGE001)	○	LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED	L)	.000	.000	1.000	.000
(CGE002)	△	LEWIS T-035 SA6F 142-IN SRB,(TAIL TED	L)	.000	.000	1.000	.000
(CGE003)	◇	LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED	L)	.000	.000	1.000	.000
(CGE004)	□	LEWIS T-035 SA6F 142-IN SRB,(SIDE TED	L)	.000	.000	1.000	.000

REFERENCE INFORMATION		
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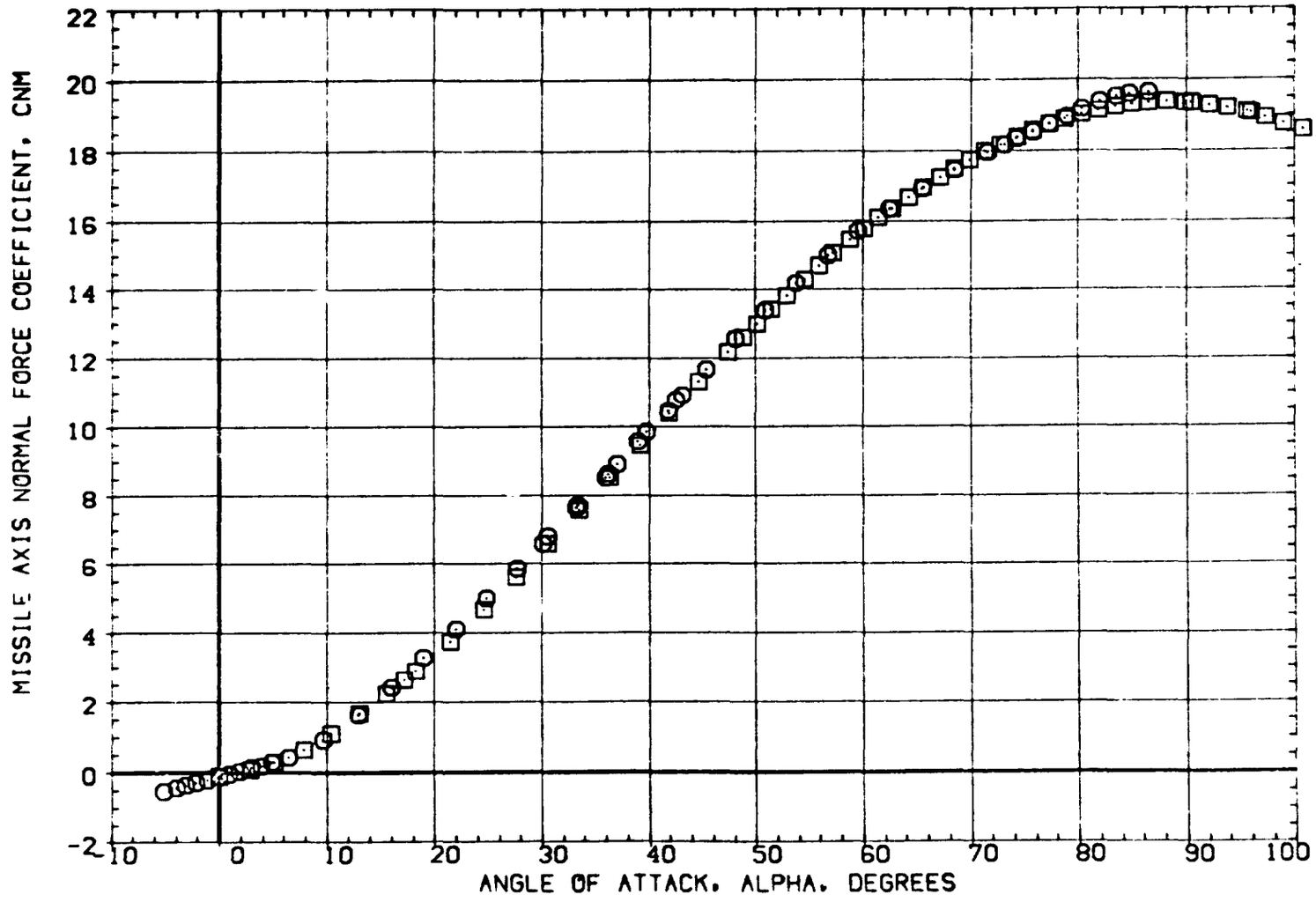
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.	IN.
SCALE	.0211	



AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (RN/L= MAX,ALPHA 0- 90)

(B)MACH = 2.68

DATA SET S		IGURATION DESCRIPTION		PHI	BETA	ATTRNG	ENGSTK
(CGE001)	○	LEWIS T-035 SA6F 142-IN SRB.(TAIL TED	)	.	.000	1.000	.000
(CGE002)	□	LEWIS T-035 SA6F 142-IN SRB.(TAIL TED	L)	.000	.000	1.000	.000
(CGE003)	△	LEWIS T-035 SA6F 142-IN SRB.(SIDE MOUNTED	L)	.000	.000	1.000	.000
(CGE004)	▽	LEWIS T-035 SA6F 142-IN SRB.(SIDE TED	L)	.000	.000	1.000	.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
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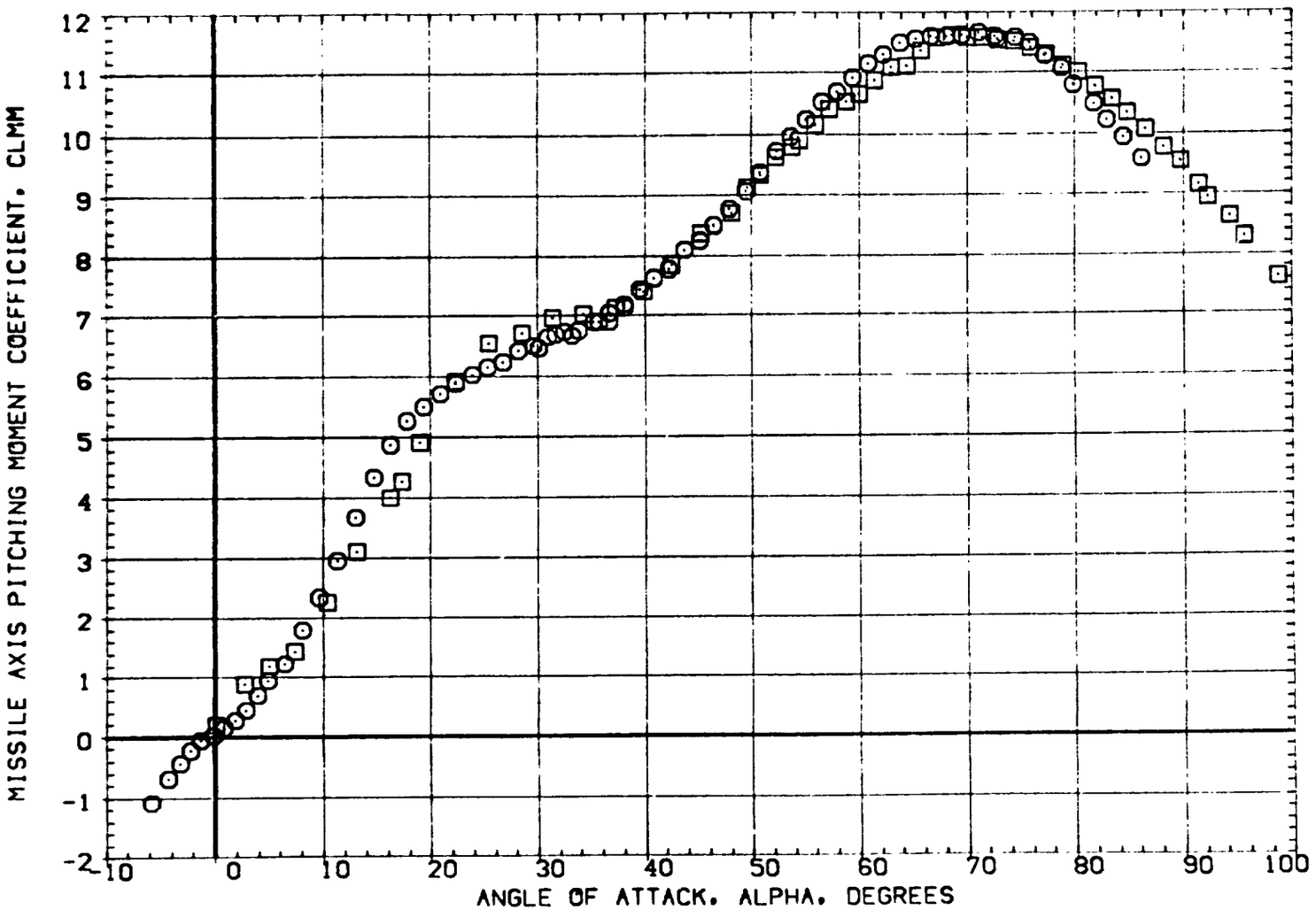
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.021	



AERO CHARAC[illegible]TICS OF BASIC SRB CONFIGURATION (RN/L= MAX,ALPHA 0- 90)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			PHI	BETA	ATTRNG	ENGSTK
(CGE001)	○	LEWIS T-035 SAGF 142-IN SRB.(TAIL	TED	)	.000	.000	1.000	.000
(CGE002)	□	LEWIS T-035 SAGF 142-IN SRB.(TAIL	TED	L)	.000	.000	1.000	.000
(CGE003)	◇	LEWIS T-035 SAGF 142-IN SRB.(SIDE	TED	L)	.000	.000	1.000	.000
(CGE004)	△	LEWIS T-035 SAGF 142-IN SRB.(SIDE	TED	L)	.000	.000	1.000	.000

REFERENCE INFORMATION		
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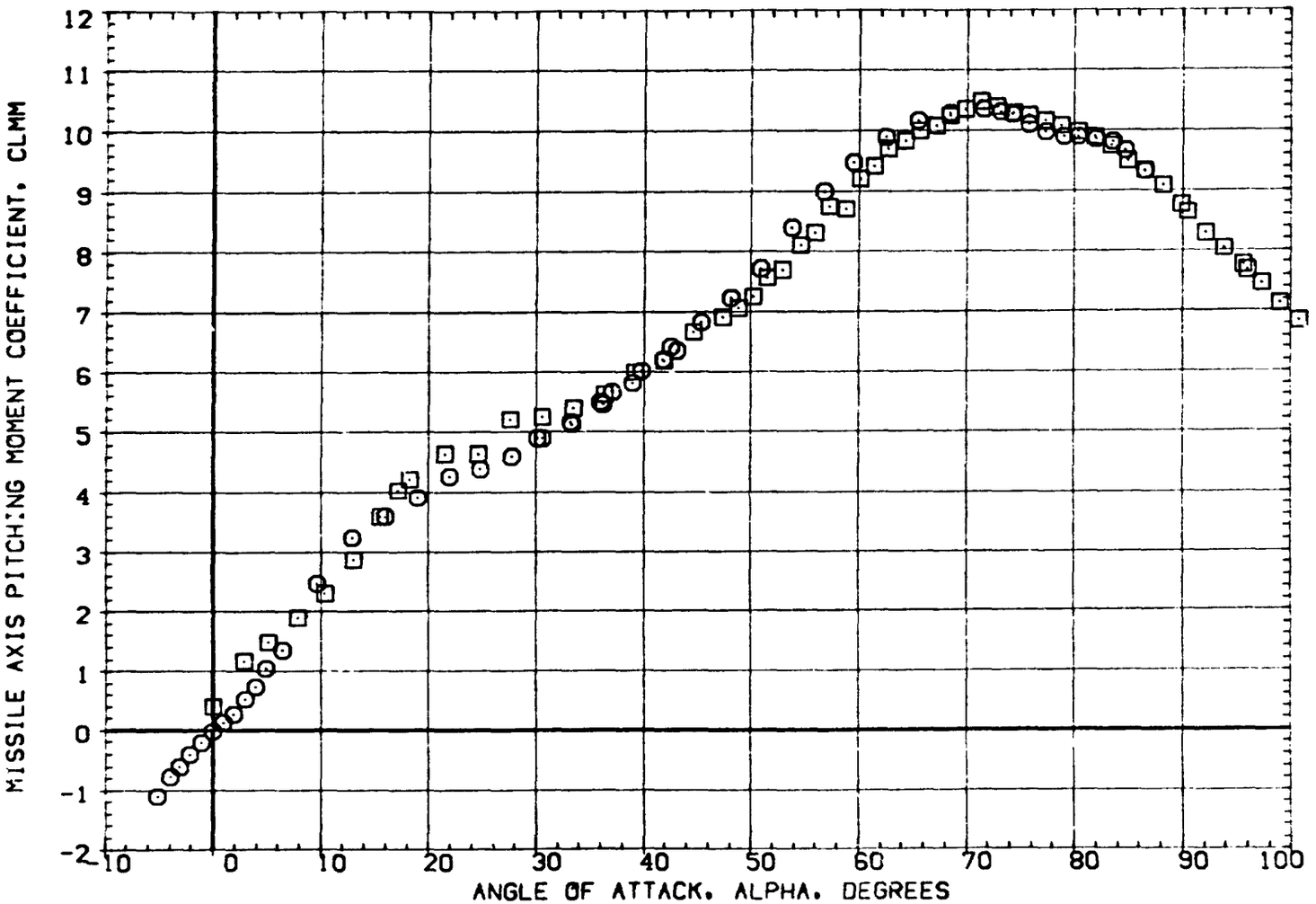
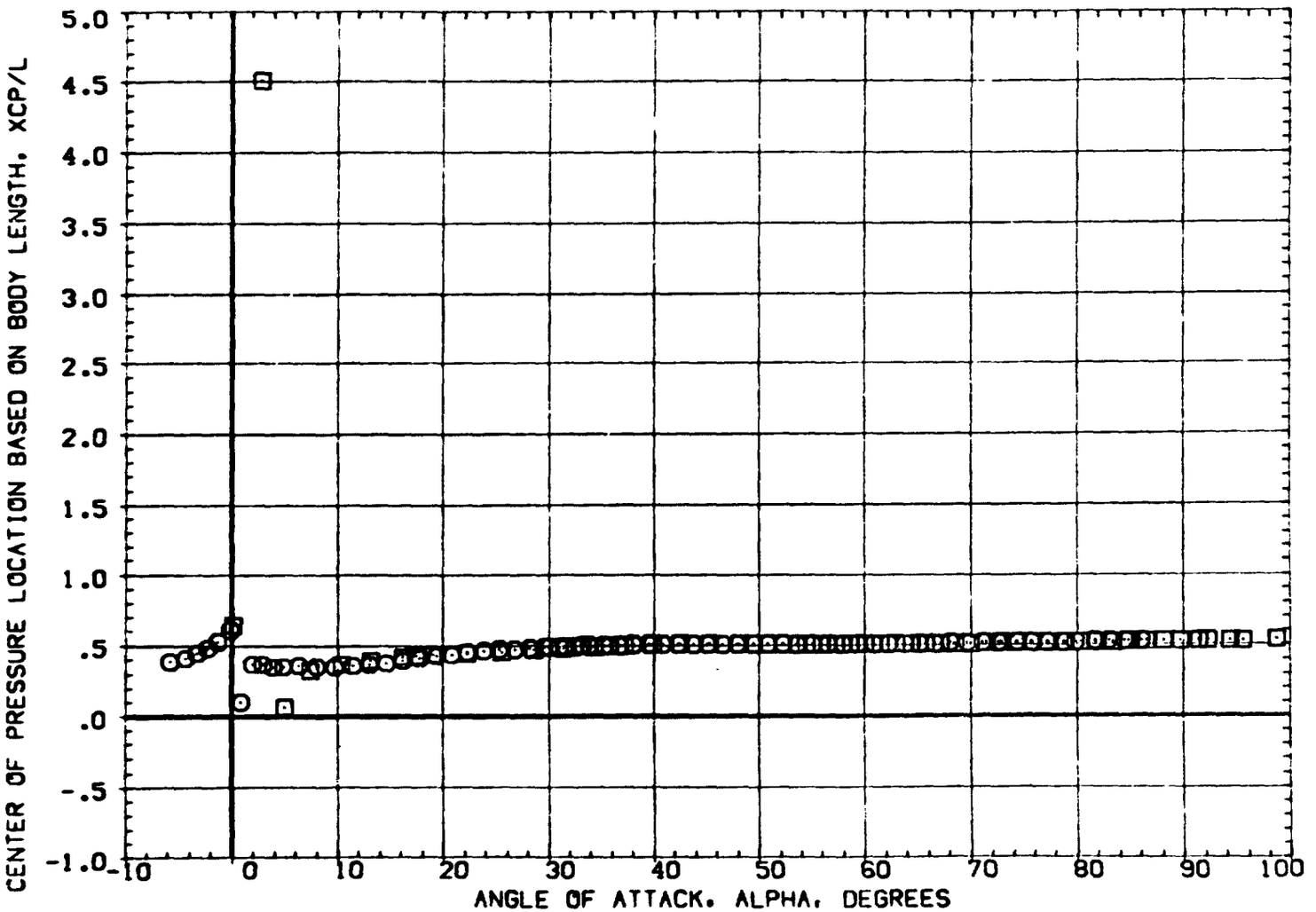
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.	IN.
SCALE	.0211	



AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (RN/L= MAX,ALPHA 0- 90)

(B)MACH = 2.68

DATA SET		I TION DESCRIPTION			PHI	BETA	ATTRNG	ENGSTK	REFERENCE I/F		TION
(CGE001)	○	LEWIS T SAGF 142-IN SRB.(TAIL	TED	)	.	.000	1.000	.000	SREF	7.	SQ.IN.
(CGE002)	□	LEWIS T-035 SAGF 142-IN SRB.(TAIL	TED	)	.000	.000	1.000	.000	LREF	3.	IN.
(CGE003)		LEWIS T-035 SAGF 142-IN SRB.(SIDE	TED	L)	.000	.000	1.000	.000	BREF	3.	IN.
(CGE004)		LEWIS T-035 SAGF 142-IN SRB.(SIDE	TED	L)	.000	.000	1.000	.000	XMRP	20.8340	IN.
									YMRP	.	IN.
									ZMRP	.	IN.
									SCALE	.0211	

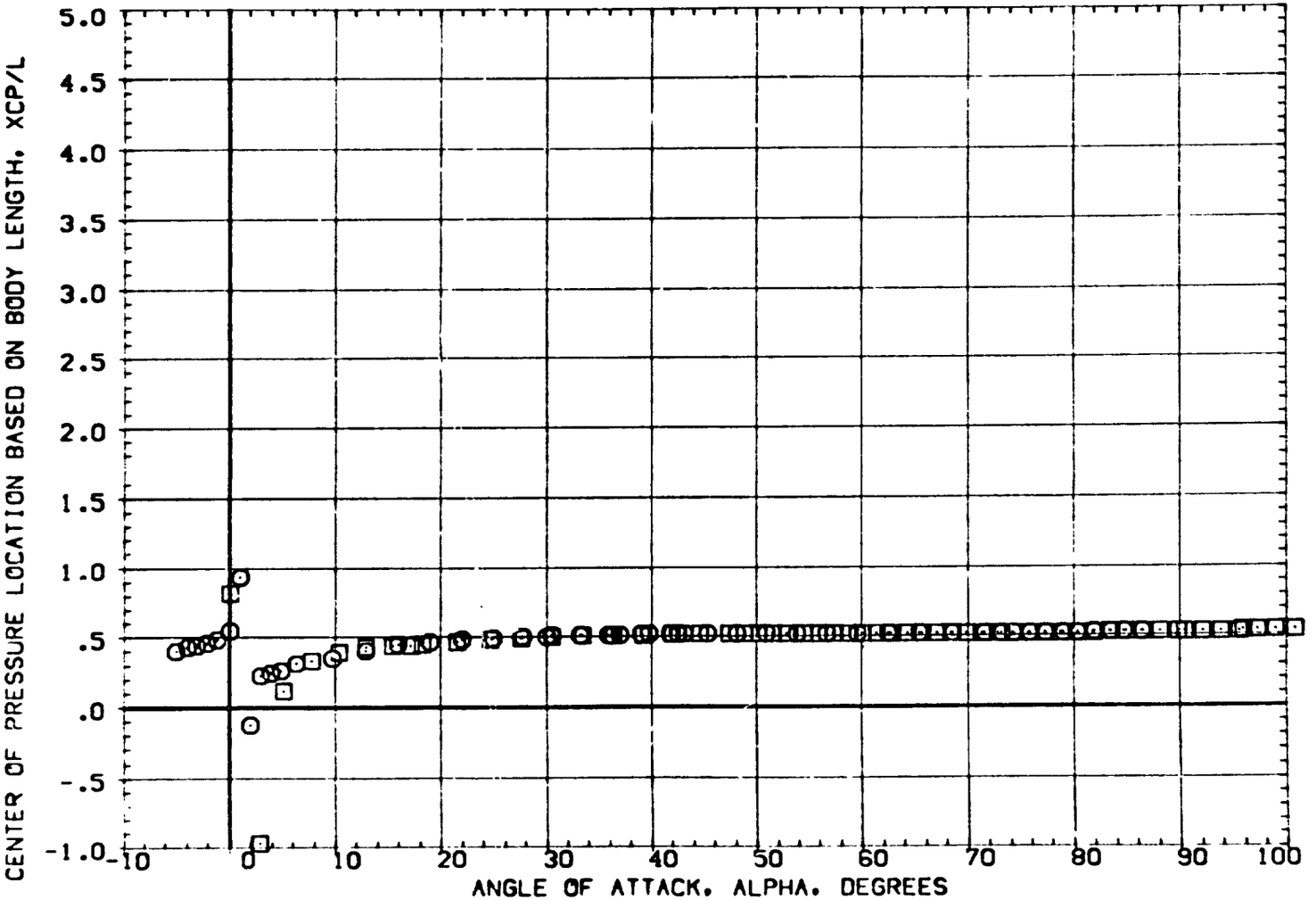


AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (RN/L= MAX.ALPHA 0- 90)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		PHI	BETA	ATTRNG	ENGSTK
(CGE001)		LEWIS T-035 SAGF 142-IN SRB,(TAIL	TED)	.000	.000	1.000	.000
(CGE002)		LEWIS T-035 SAGF 142-IN SRB,(TAIL	TED L)	.000	.000	1.000	.000
(CGE003)		LEWIS T-035 SAGF 142-IN SRB,(SIDE	MOUNTED L)	.000	.000	1.000	.000
(CGE004)		LEWIS T-035 SAGF 142-IN SRB,(SIDE	TED L)	.000	.000	1.000	.000

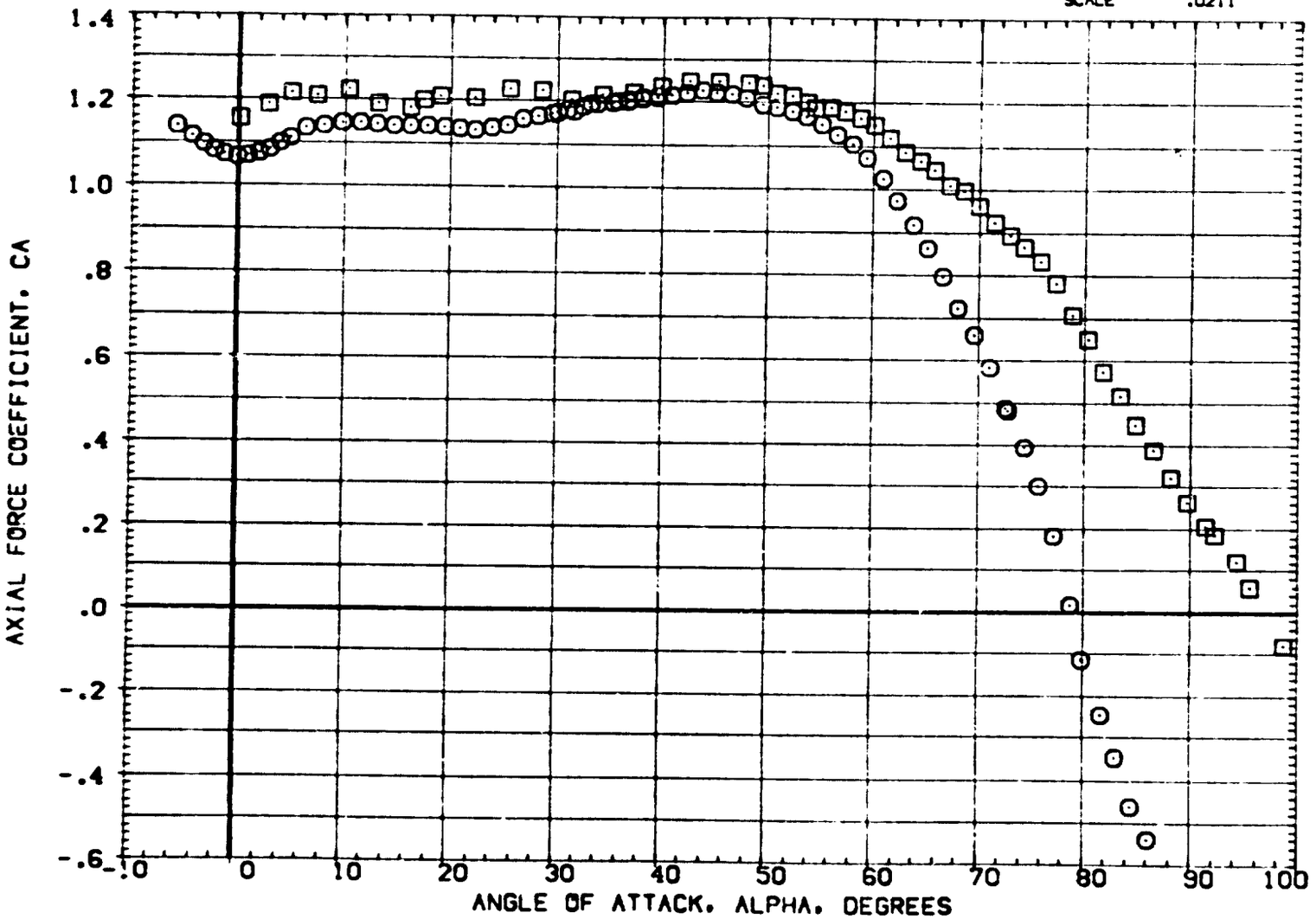
REFERENCE INFORMATION		
SREF	7.	SQ.IN.
LREF	3.	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.	IN.
SCALE	.0211	



AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (RN/L= MAX,ALPHA 0- 90)

(B)MACH = 2.58

DATA SET S		I TION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK	REFERENCE INF		TION
(CGE001)	□	LEVIS T-035 SA6F 142-IN SRB.(TAIL TED)	.	.	1.000	.000	SREF	7.	SQ.IN.
(CGE002)	○	LEVIS T-035 SA6F 142-IN SRB.(TAIL TED)	.000	.000	1.000	.000	LREF	3.	IN.
(CGE003)	△	LEVIS T-035 SA6F 142-IN SRB.(SIDE TED)	.000	.000	1.000	.000	BREF	3.	IN.
(CGE004)	◇	LEVIS T-035 SA6F 142-IN SRB.(SIDE MOUNTED)	.000	.000	1.000	.000	XMRP	20.8340	IN.
							YMRP	.	IN.
							ZMRP	.	IN.
							SCALE	.0211	

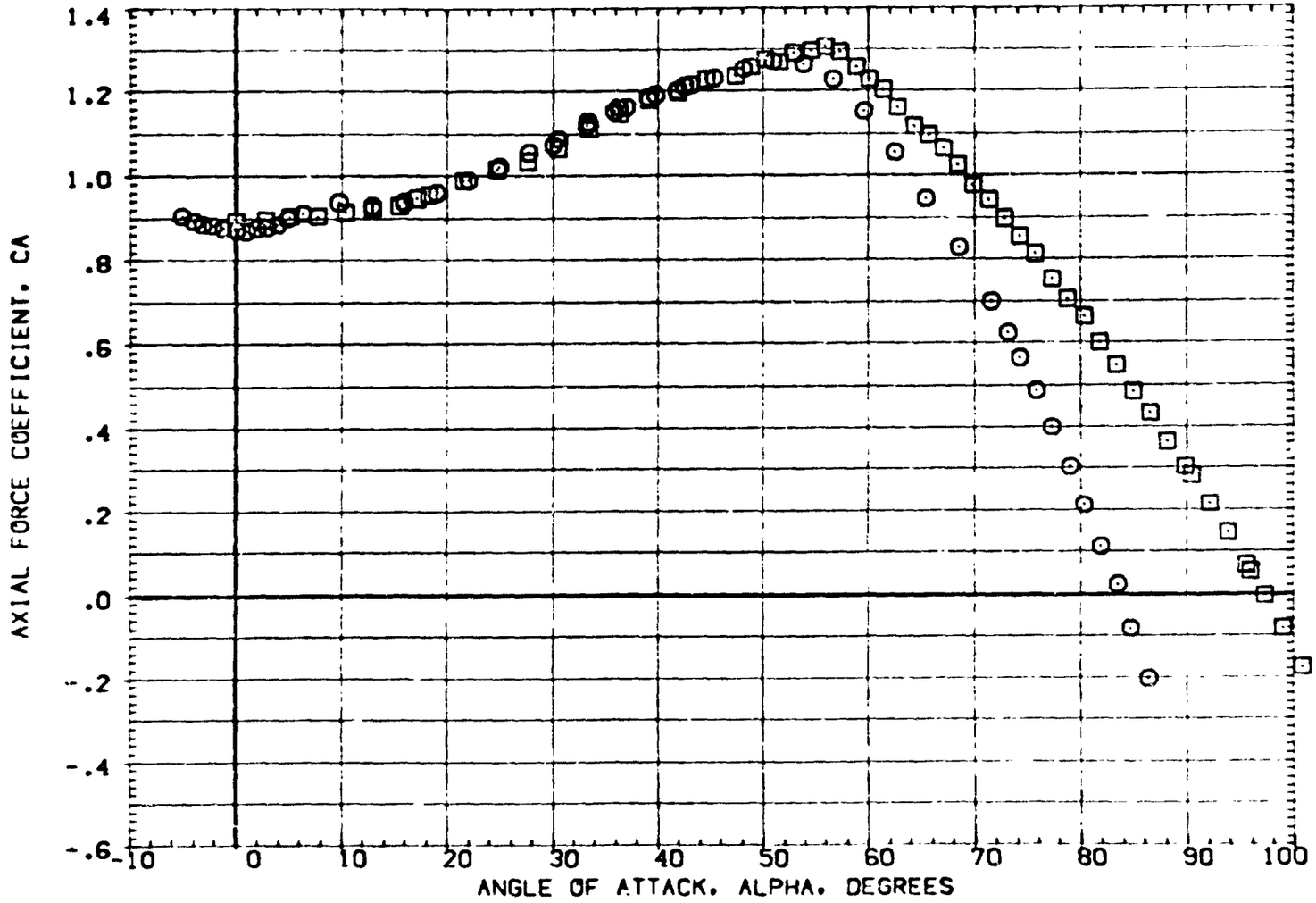


AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (RN/L= MAX,ALPHA 0- 90)

(A)MACH = 2.00

DATA SET	SY	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(CGE001)		LEWIS T-035 SA6F 142-IN SRB.(TAIL TED)	.000	.000	1.000	.000
(CGE002)		LEWIS T-035 SA6F 142-IN SRB.(TAIL TED L)	.000	.000	1.000	.000
(CGE003)		LEWIS T-035 SA6F 142-IN SRB.(SIDE MOUNTED L)	.000	.000	1.000	.000
(CGE004)		LEWIS T-035 SA6F 142-IN SRB.(SIDE TED L)	.000	.000	1.000	.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.	
SCALE	.0211	

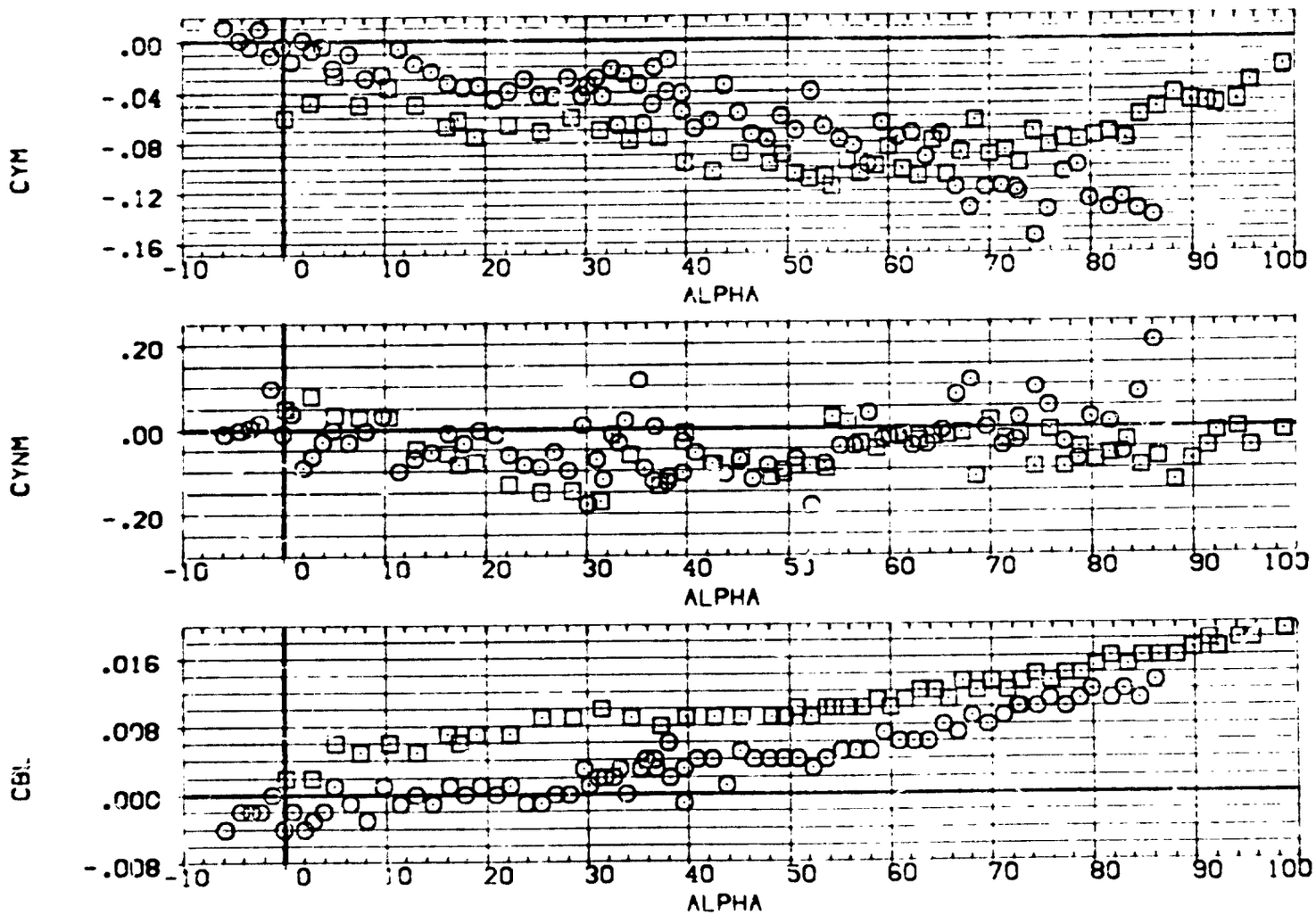


AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (RN/L= MAX,ALPHA 0- 90)

(B)MACH = 2.68

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(CSF001)	□	LEWIS Y-035 SA6F 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	.000
(CSF002)	○	LEWIS Y-035 SA6F 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	.000
(CSF003)	△	LEWIS Y-035 SA6F 142-IN SRB.(SIDE MOUNTED MODEL)	.000	.000	1.000	.000
(CSF004)	▽	LEWIS Y-035 SA6F 142-IN SRB.(SIDE MOUNTED MODEL)	.000	.000	1.000	.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.0000	IN.
SCALE	.0211	

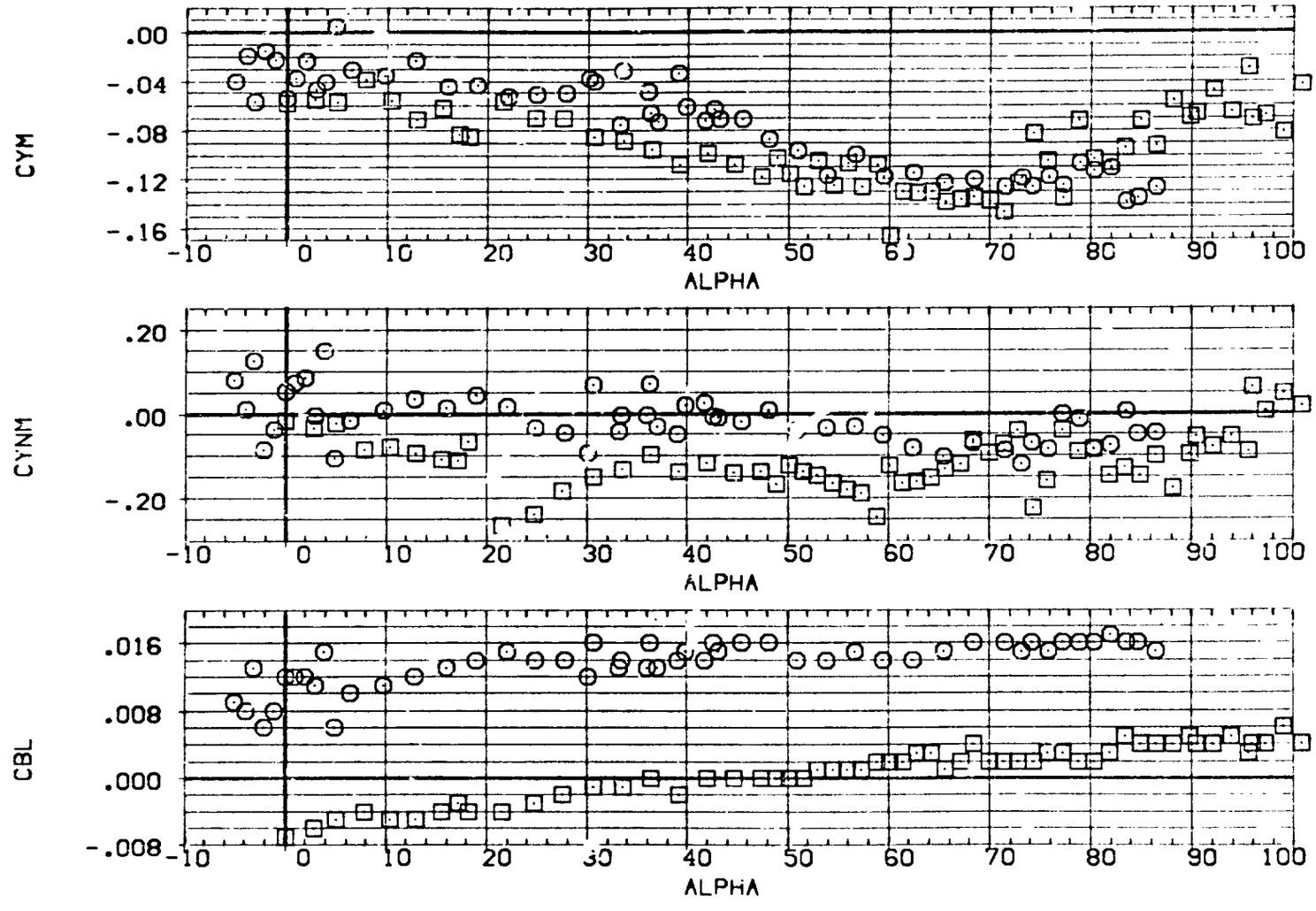


AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (PN/L= MAX.ALPHA 0- 90)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(CGE001)	○	LEWIS T-035 SA6F 142-IN SRB.(TAIL TED L)	.000	.000	1.000	.000
(CGE002)	□	LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	.000
(CGE003)	○	LEWIS T-035 SA6F 142-IN SRB.(SIDE MOUNTED L)	.000	.000	1.000	.000
(CGE004)	□	LEWIS T-035 SA6F 142-IN SRB.(SIDE MOUNTED MODEL)	.000	.000	1.000	.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

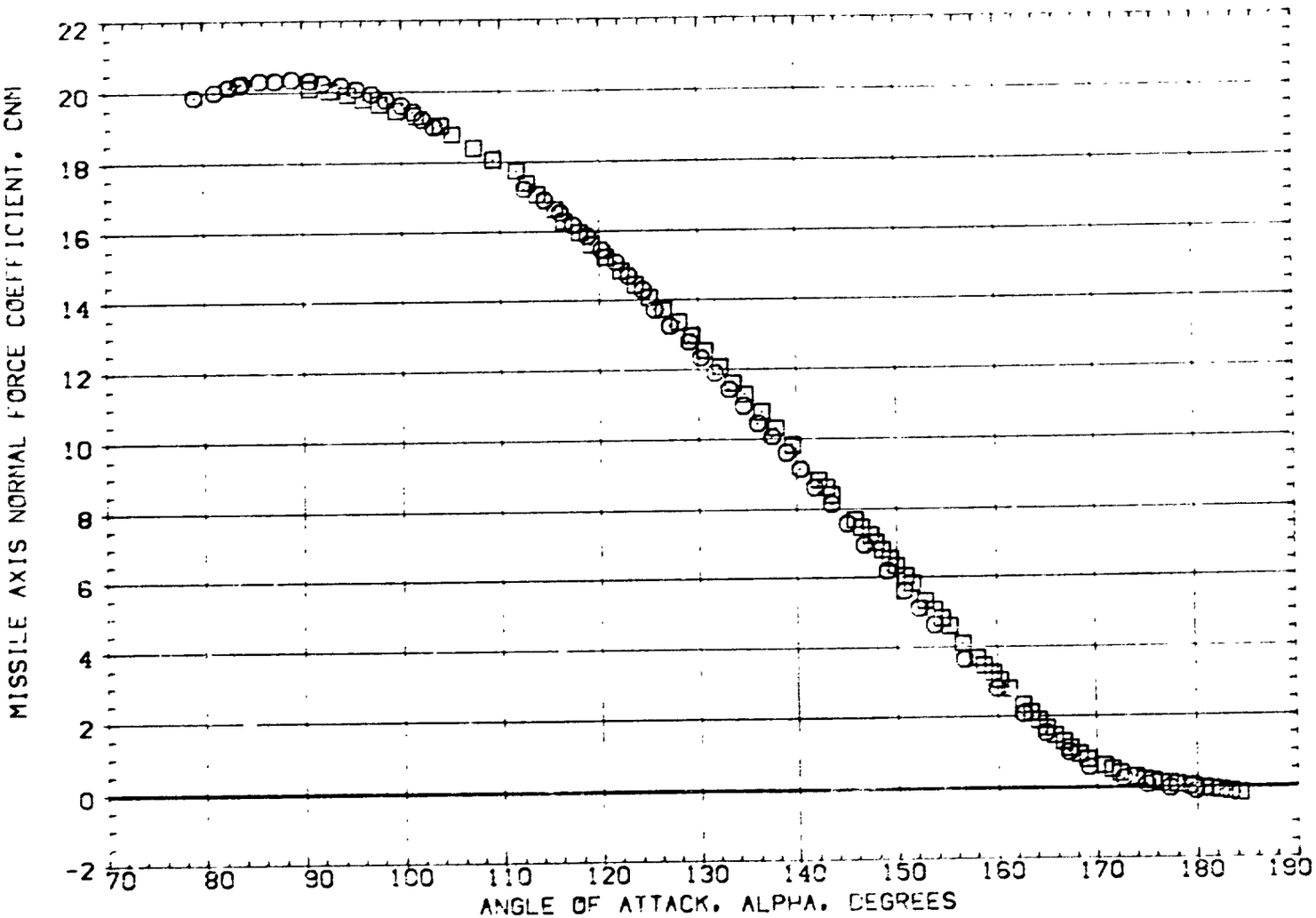


AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (RN/L= MAX,ALPHA 0- 90)

(B)MACH = 2.68

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
[illegible]	[illegible]	[illegible]	.000	.000	1.000	.000
[illegible]	[illegible]	[illegible]	.000	.000	1.000	.000
[illegible]	[illegible]	[illegible]	.000	.000	1.000	.000
[illegible]	[illegible]	[illegible]	.000	.000	1.000	.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	[illegible]
BREF	3.0000	[illegible]
XMRP	20.8340	[illegible]
YMRP	.0000	[illegible]
ZMRP	.0000	[illegible]
SCALE	.021	[illegible]

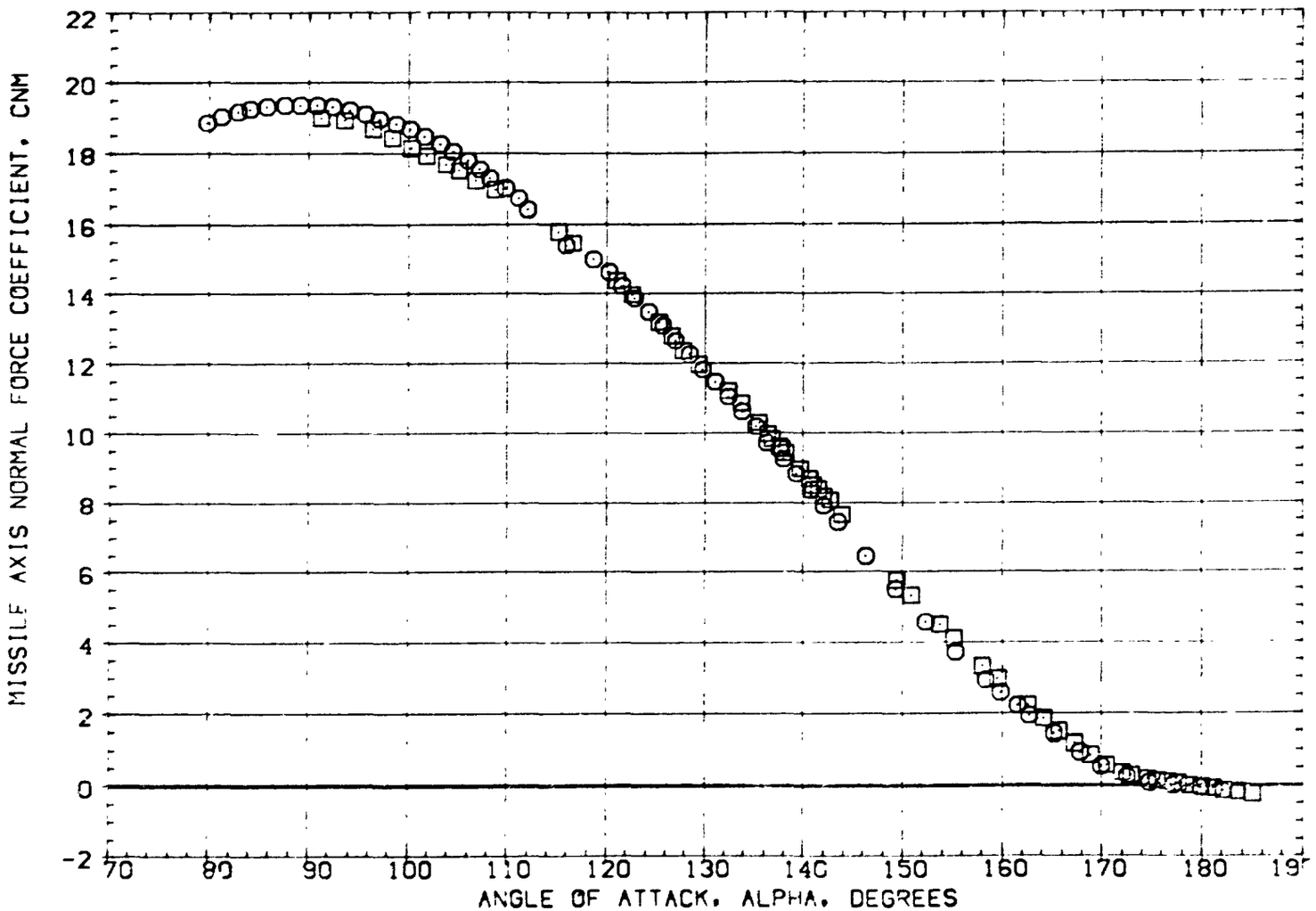


AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (RN/L= MAX,ALPHA 90-180)

(A)MAC- = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(CGE005)	○	LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED L)	.000	.000	1.000	.000
(CGE006)	□	LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED MODEL)	.000	.000	1.000	.000
(CGE007)	△	LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL)	.000	.000	1.000	.000
(CGE008)	▽	LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL)	.000	.000	1.000	.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8210	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

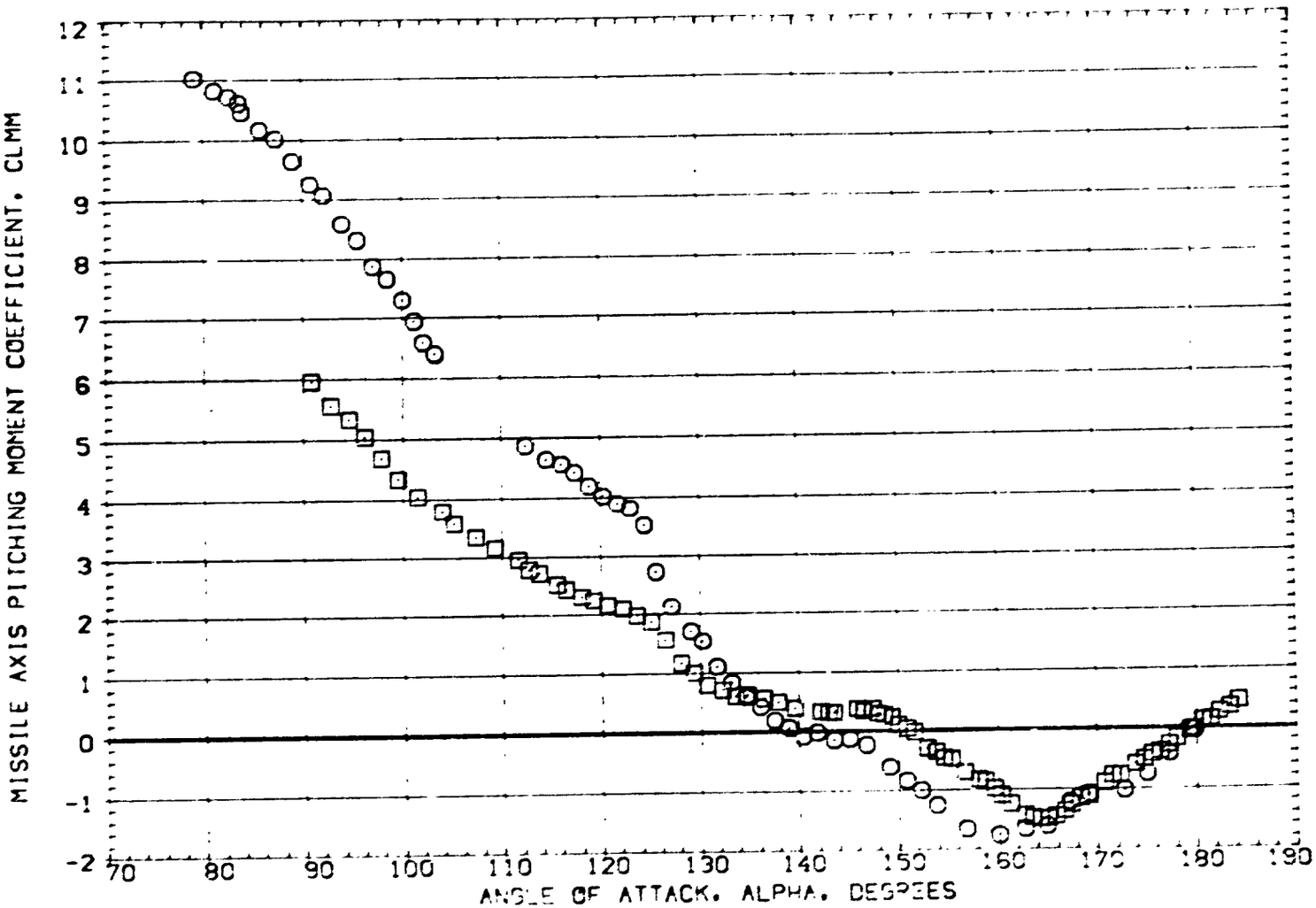


AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (RN/L= MAX,ALPHA 90-180)

(B)MACH = 2.67

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
[illegible]	[illegible]	[illegible]	.000	.000	1.000	.000
[illegible]	[illegible]	[illegible]	.000	.000	1.000	.000
[illegible]	[illegible]	[illegible]	.000	.000	1.000	.000
[illegible]	[illegible]	[illegible]	.000	.000	1.000	.000

REFERENCE INFORMATION		
SREF	7.	SQ.IN.
LREF	3.0000	
BREF	3.0000	
XMRP	20.8343	
YMRP	.0000	
ZMRP	.0000	
SCALE	.02	

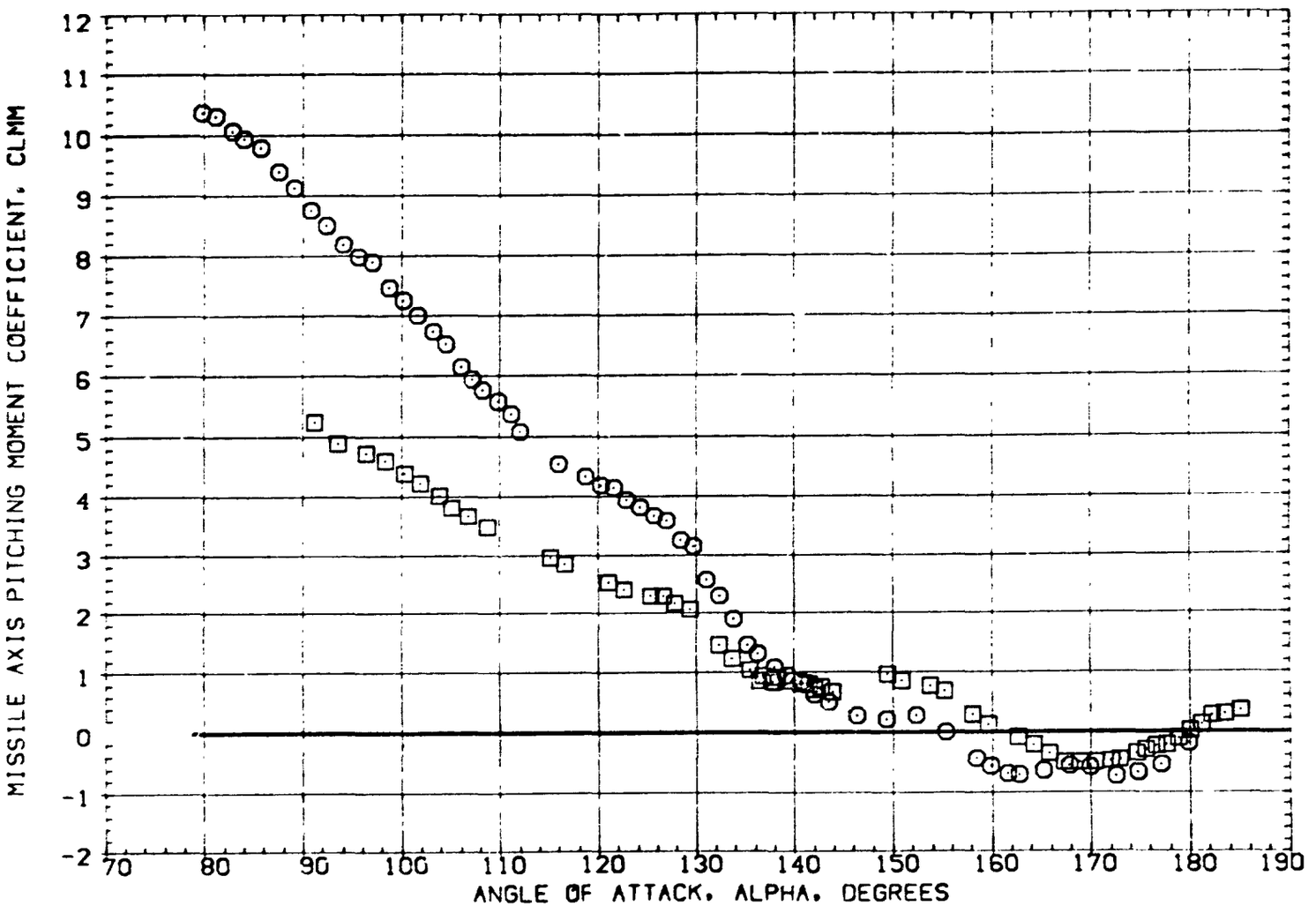


AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (PN/LE MAX, ALPHA 90-180)

(A)MACH = 2.00

DATA SET SY	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
[CGE005]	LEWIS T-035 SA6F 142-IN SRB.(SIDE TED)	.000	.000	1.000	.000
[CGE006]	LEWIS T-035 SA6F 142-IN SRB.(SIDE MOUNTED L)	.000	.000	1.000	.000
[CGE007]	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	.000	.000	1.000	.000
[CGE008]	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED L)	.000	.000	1.000	.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.	IN.
SCALE	.0211	

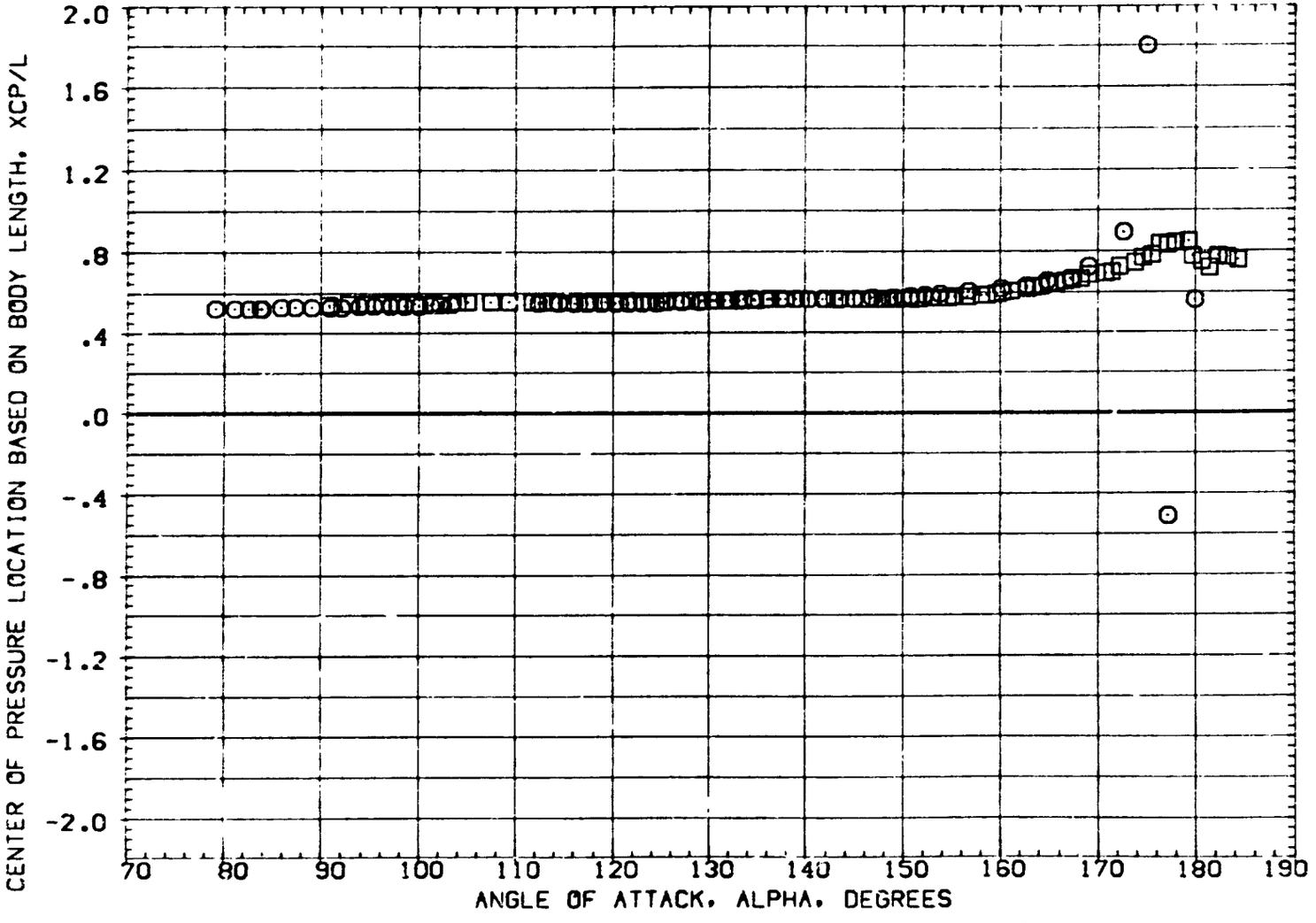


AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (RN/L= MAX,ALPHA 90-180)

(B)MACH = 2.67

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(CGE005)	□	LEWIS T-035 SA6F 142-IN SRB,(SIDE TED L)	.000	.000	1.000	.000
(CGE006)	▯	LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED L)	.000	.000	1.000	.000
(CGE007)	▯	LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL)	.000	.000	1.000	.000
(CGE008)	▯	LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL)	.000	.000	1.000	.000

REFERENCE INFORMATION		
SREF	7.	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.021	

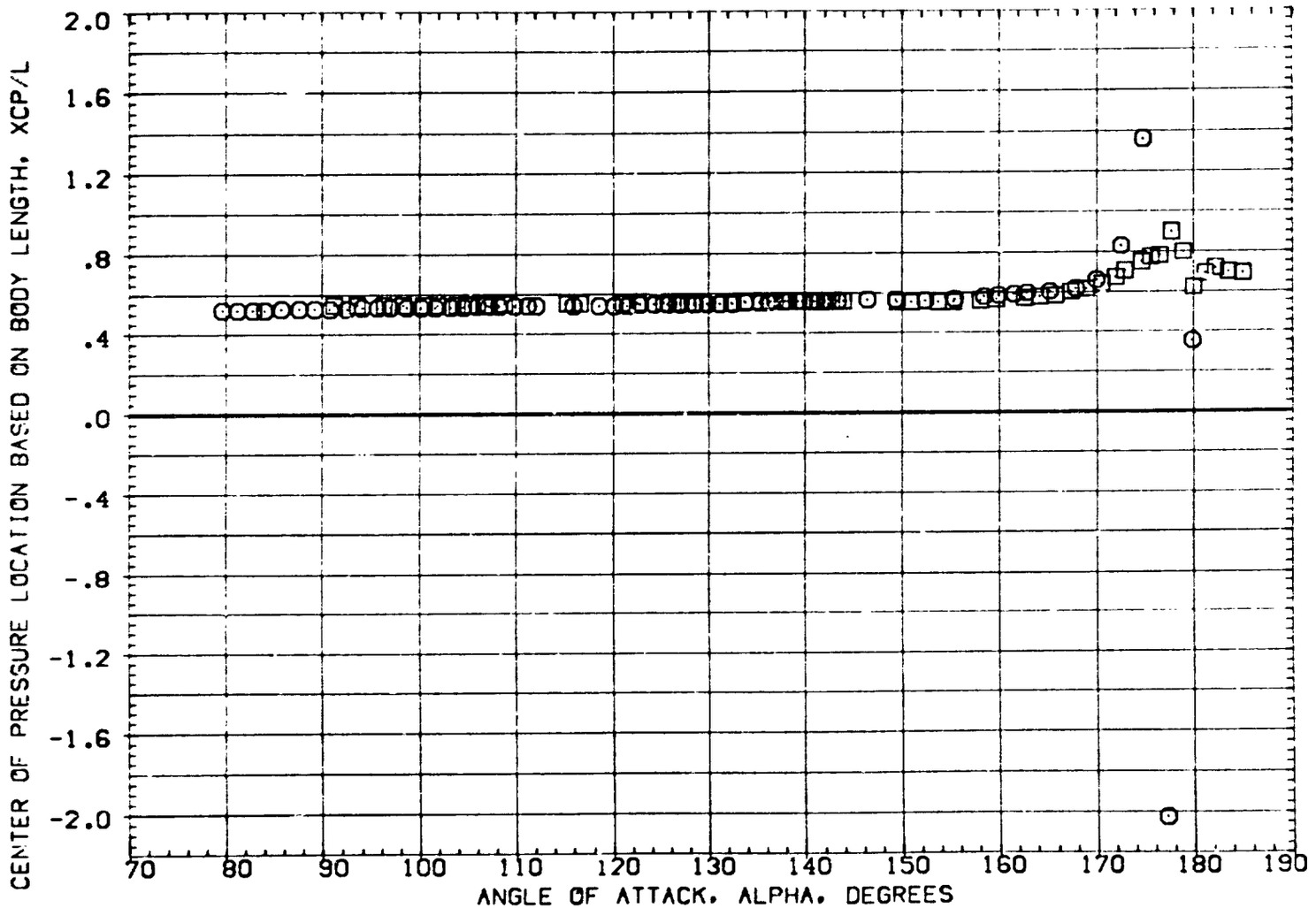


AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (RN/L= MAX, ALPHA 90-180)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(CGE005)	○	LEWIS T-035 SA6F 142-IN SRB.(SIDE MOUNTED L)	.000	.000	1.000	.000
(CGE006)	□	LEWIS T-035 SA6F 142-IN SRB.(SIDE MOUNTED L)	.000	.000	1.000	.000
(CGE007)	△	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED L)	.000	.000	1.000	.000
(CGE008)	▽	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	.000	.000	1.000	.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

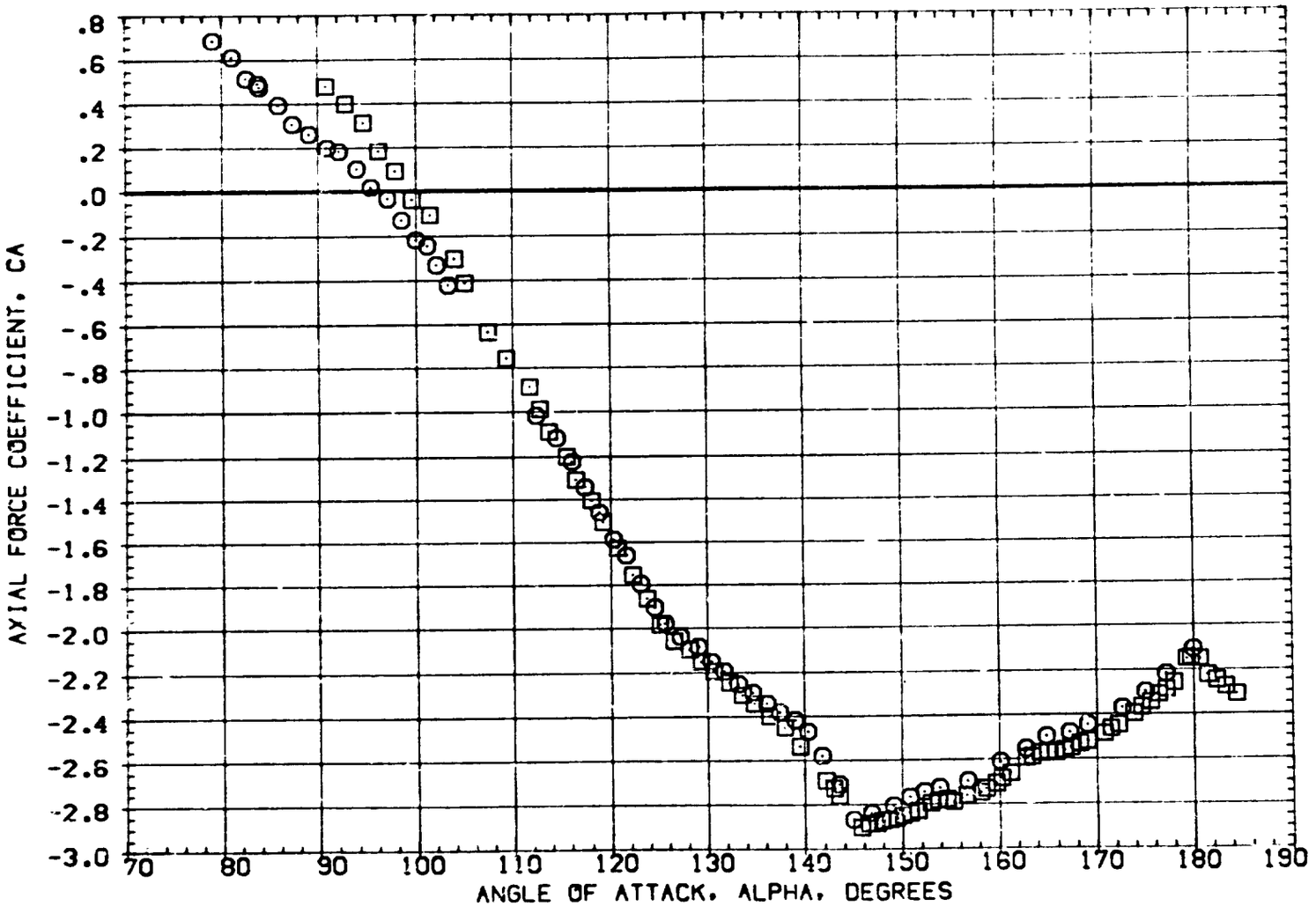


AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (RN/L= MAX,ALPHA 90-180)

(B)MACH = 2.67

DATA SET	SY	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTR
(CGE005)	CC	LEWIS T-035 SA6F 142-IN SRB.(SIDE TED)	.	.000	1.000	.000
(CGE006)	CC	LEWIS T-035 SA6F 142-IN SRB.(SIDE MOUNTED MODEL)	.000	.000	1.000	.000
(CGC007)	LL	LEWIS T-035 SA6F 142-IN SRB.(MOUNTED L)	.000	.000	1.000	.000
(CGE008)	LL	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED L)	.000	.000	1.000	.000

REFERENCE INF	TION
SREF 7.0690	SQ.IN.
LREF 3.	IN.
BREF 3.0000	IN.
XMRP 20.8340	IN.
YMRP .	IN.
ZMRP .0000	IN.
SCALE .0211	



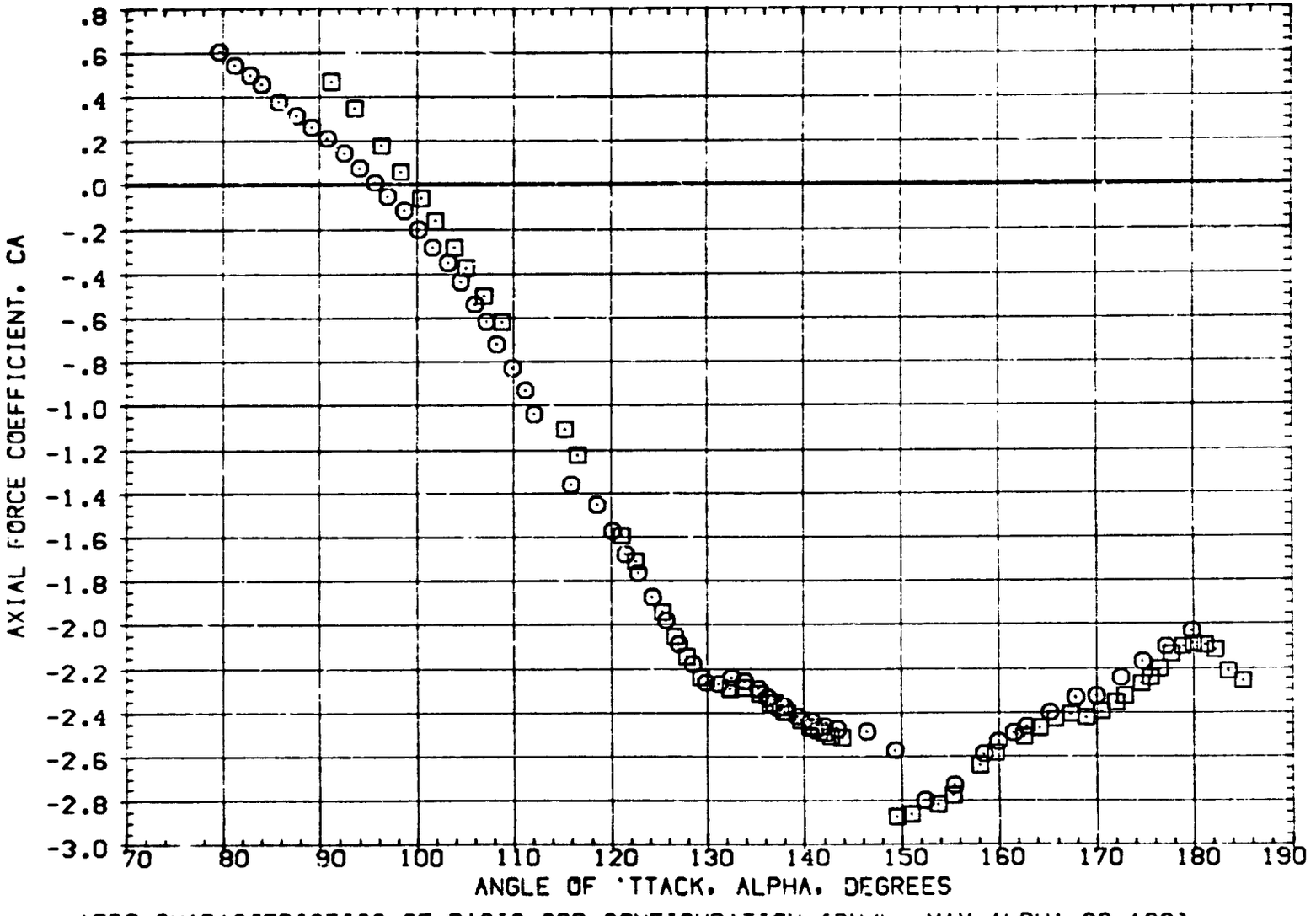
AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (RN/L= MAX,ALPHA 90-180)

(A)MACH = 2.00

DATA SET S		CONFIGURATION DESCRIPTION		PHI	BETA	ATTRNG	ENGSTK
(CGE005)	○	LEWIS T-035 SA6F 142-IN SRB.(SIDE	TED L)	.000	.000	1.000	.000
(CGE006)	□	LEWIS T-035 SA6F 142-IN SRB.(SIDE	TED)	.000	.000	1.000	.000
(CGE007)	△	LEWIS T-035 SA6F 142-IN SRB.(	TED)	.000	.000	1.000	.000
(CGE008)	◇	LEWIS T-035 SA6F 142-IN SRB.(	TED L)	.000	.000	1.000	.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.	IN.
SCALE	.0211	

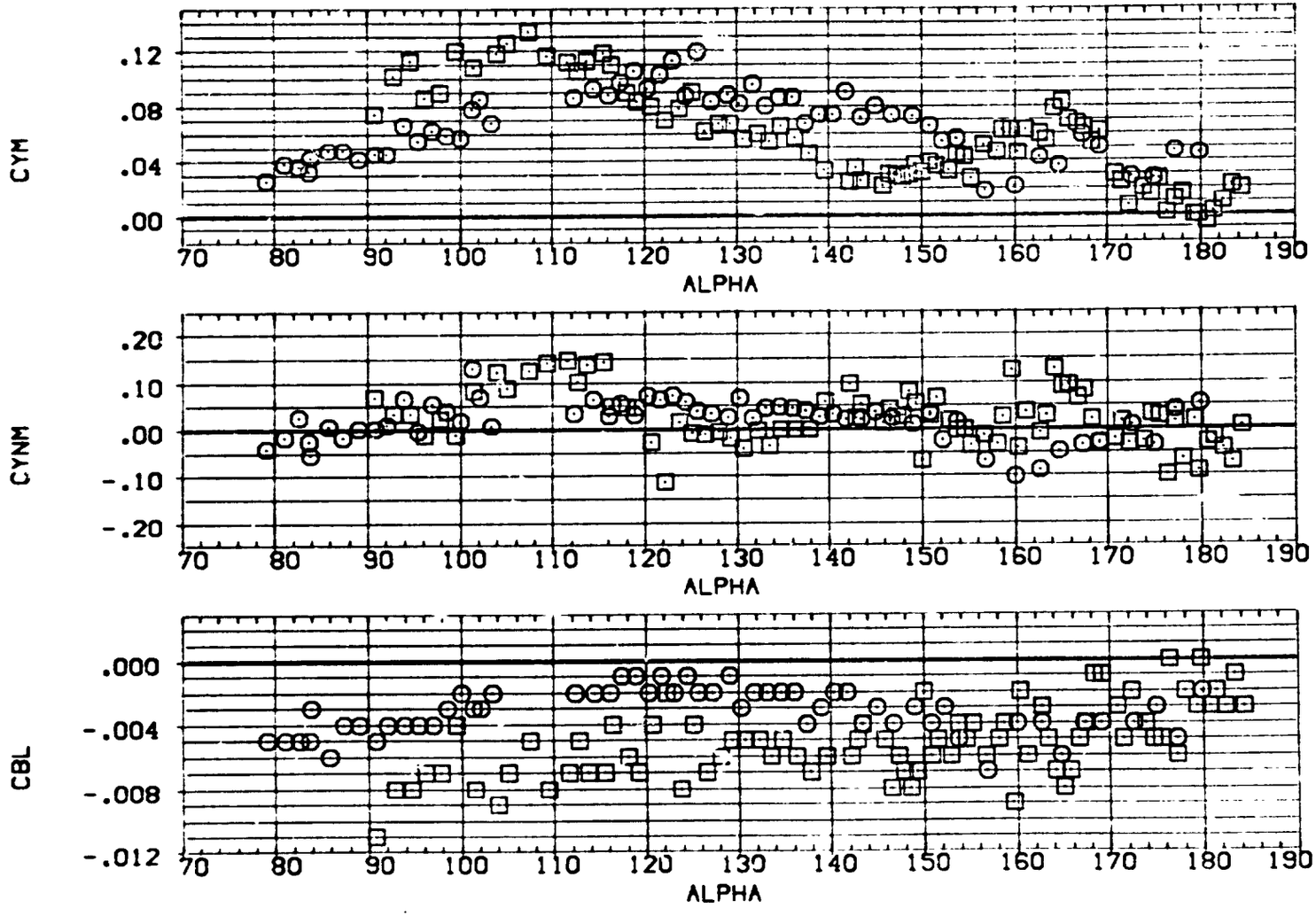


AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (RN/L= MAX,ALPHA 90-180)

(B)MACH = 2.67

DATA SET SY	CONFI	TION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(CGE005)	LEWIS T-035 SA6F 142-IN SRB.(SIDE TED L)		.000	.000	1.000	.000
(CGE006)	LEWIS T-035 SA6F 142-IN SRB.(SIDE MOUNTED L)		.000	.000	1.000	.000
(CGE007)	LEWIS T-035 SA6F 142-IN SRB.(MOUNTED MODEL)		.000	.000	1.000	.000
(CGE008)	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)		.000	.000	1.000	.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

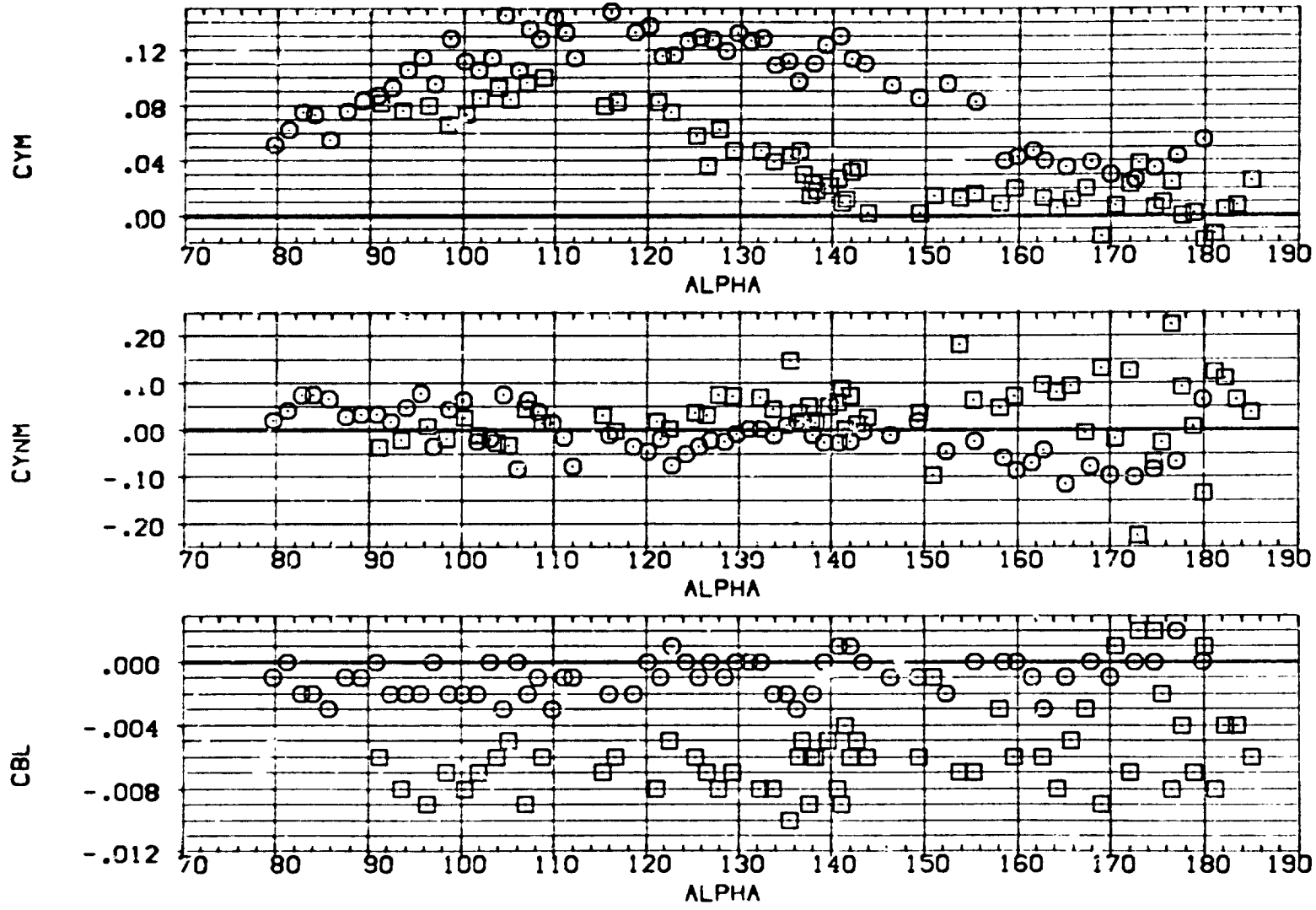


AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (RN/L= MAX.ALPHA 90-180)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		PHI	BETA	ATTRNG	ENGSTK
(CGE005)		LEWIS T-035 SA6F 142-IN SRB.(SIDE TED	L)	.000	.000	1.000	.000
(CGE006)		LEWIS T-035 SA6F 142-IN SRB.(SIDE MOUNTED	L)	.000	.000	1.000	.000
(CGE007)		LEWIS T-035 SA6F 142-IN SRB.(NOSE TED	L)	.000	.000	1.000	.000
(CGE006)		LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED	L)	.000	.000	1.000	.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.	IN.
SCALE	.0211	

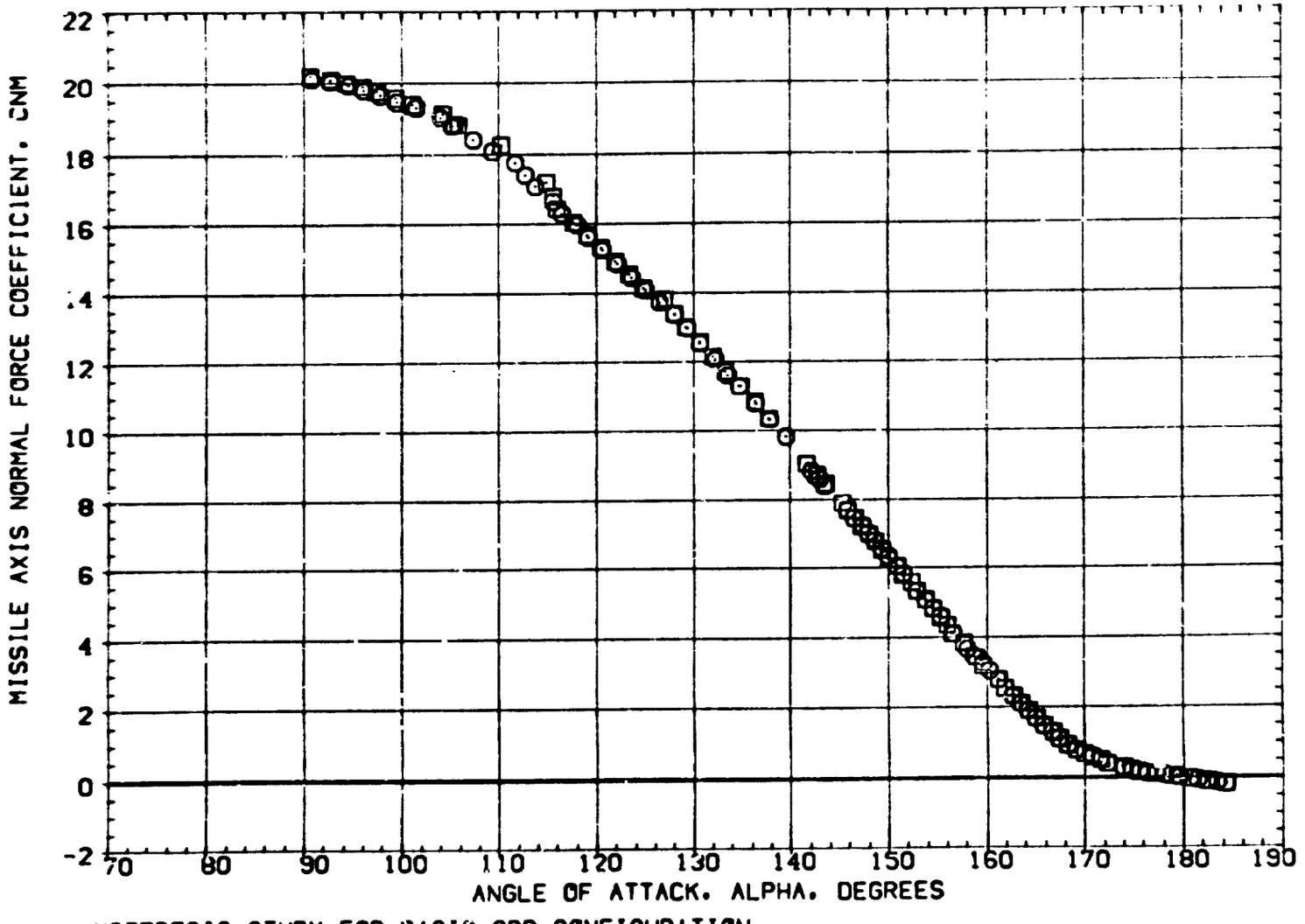


AERO CHARACTERISTICS OF BASIC SRB CONFIGURATION (RN/L= MAX,ALPHA 90-180)

(B)MACH = 2.67

DATA SET S		I TION DESCRIPTION				ALPSWP	PHI	BETA	ATTRNG
[CGE007]		LEWIS T-035 SA6F 142-IN .[	TED	[ ]	1.	.	.000	1.000
[CGE008]		LEWIS T-035 SA6F 142-IN SRB.[	TED	[ ]	1.000	.000	.000	1.000
[CGE051]		LEWIS T-035 SA6F 142-IN SRB.[	TED	[ ]	2.000	.000	.000	1.000
[CGE052]		LEWIS T-035 SA6F 142-IN SRB.[	MOUNTED	[ ]	2.000	.000	.000	1.000

REFERENCE INF		TION
SREF	7.	SC.IN.
LREF	3.	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.0300	IN.
ZMRP	.0000	IN.
SCALE	.0211	

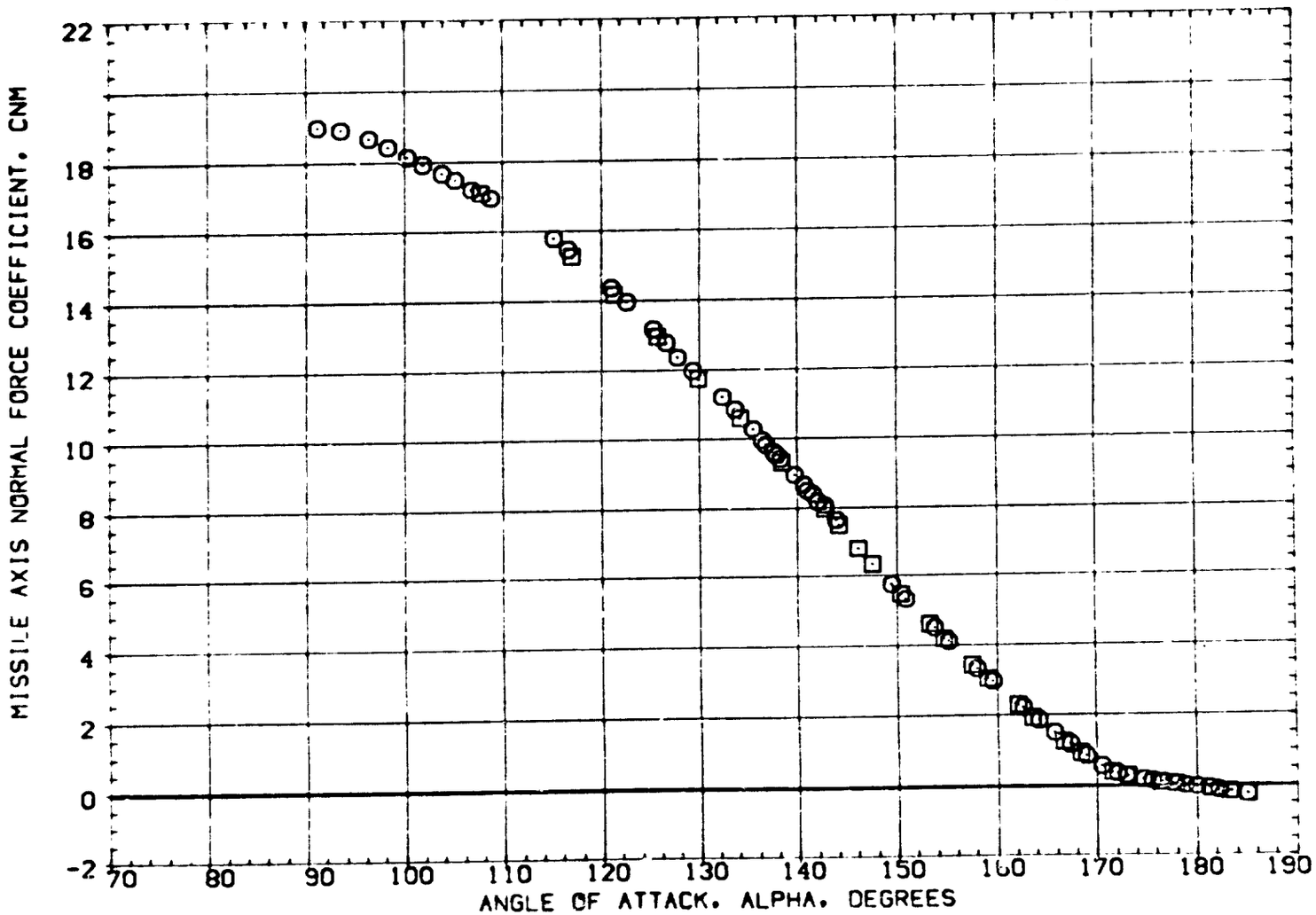


HYSTERESIS STUDY FOR BASIC SRB CONFIGURATION

(A)MACH = 2.00

DATA SET SY		CONFIGURATION DESCRIPTION		ALPSWP	PHI	BETA	ATTRNG
(CGE007)	□	LEWIS T-035 SA6F 142-IN SRB.(	TED L)	1.000	.000	.000	1.000
(CGE008)	○	LEWIS T-035 SA6F 142-IN SRB.(	TED L)	1.000	.000	.000	1.000
(CGE051)		LEWIS T-035 SA6F 142-IN SRB.(	MOUNTED MODEL)	2.000	.000	.000	1.000
(CGE052)		LEWIS T-035 SA6F 142-IN SRB.(	TED L)	2.000	.000	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.	IN.
SCALE	.021:	

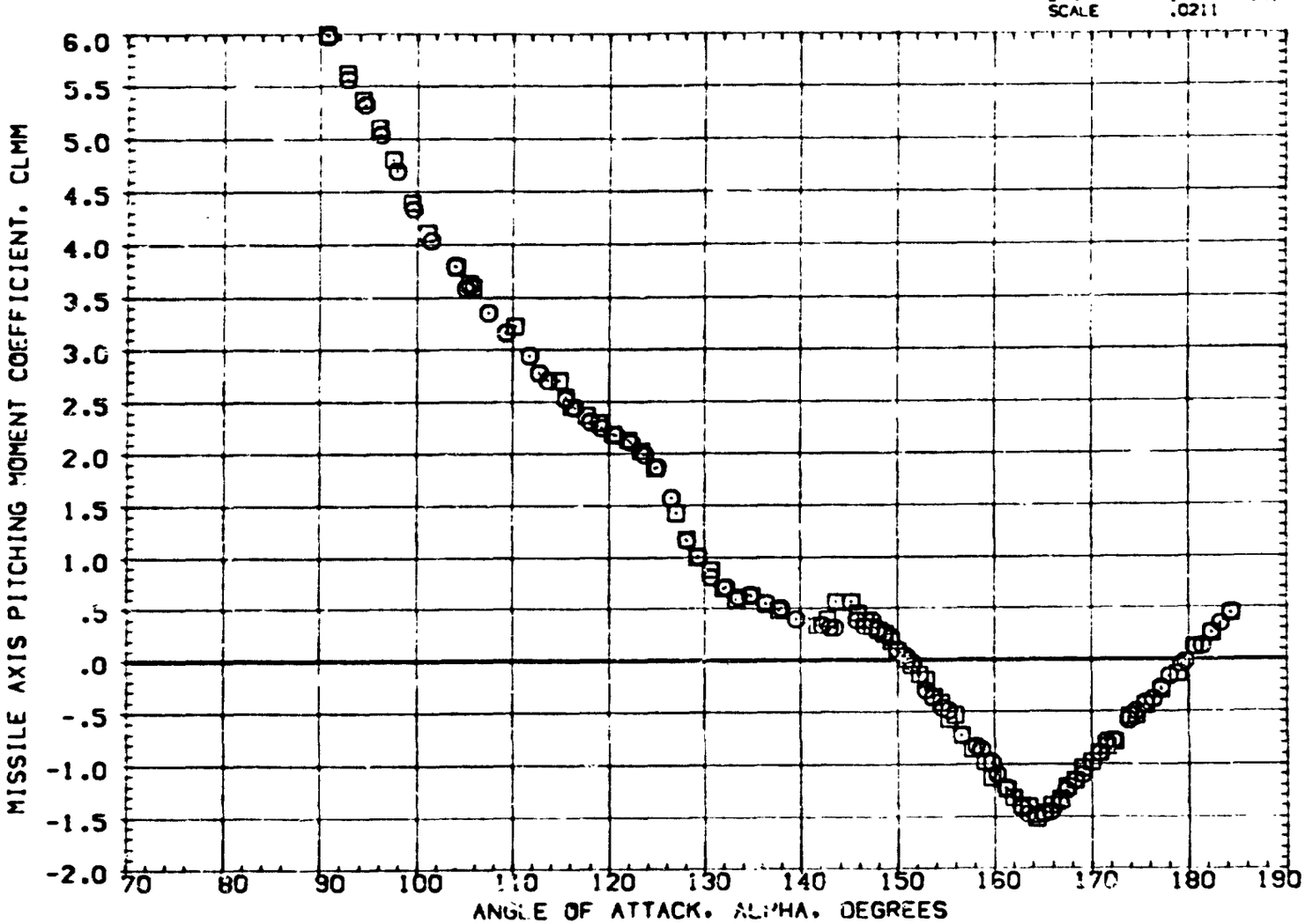


HYSTERESIS STUDY FOR BASIC SRB CONFIGURATION

(B)MACH = 2.68

DATA SET S		CONFIGURATION DESCRIPTION			AL	PHI	BETA	ATTRNG
[CGE007]	○	LEWIS T-035 142-IN SRB.[	TED	]	1.	.	.	1.
[CGE]	□	LEWIS T-035 SAGF 142-IN SRB.[	TED	]	1.	.000	.000	1.000
[CGE051]	△	LEWIS T-035 SAGF 142-IN SRB.[	TED	L]	2.	.	.000	1.000
[CGE052]	▽	LEWIS T-035 SAGF 142-IN SRB.[	MOUNTED	L]	2.	.000	.000	1.000

REFERENCE INF		TION
SREF	7.	SQ.IN.
LREF	3.	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.	IN.
SCALE	.0211	



HYSTERESIS STUDY FOR BASIC SRB CONFIGURATION

(A)MACH = 2.00

2 of 4

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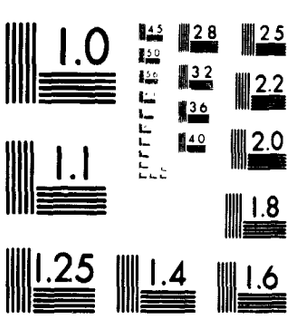
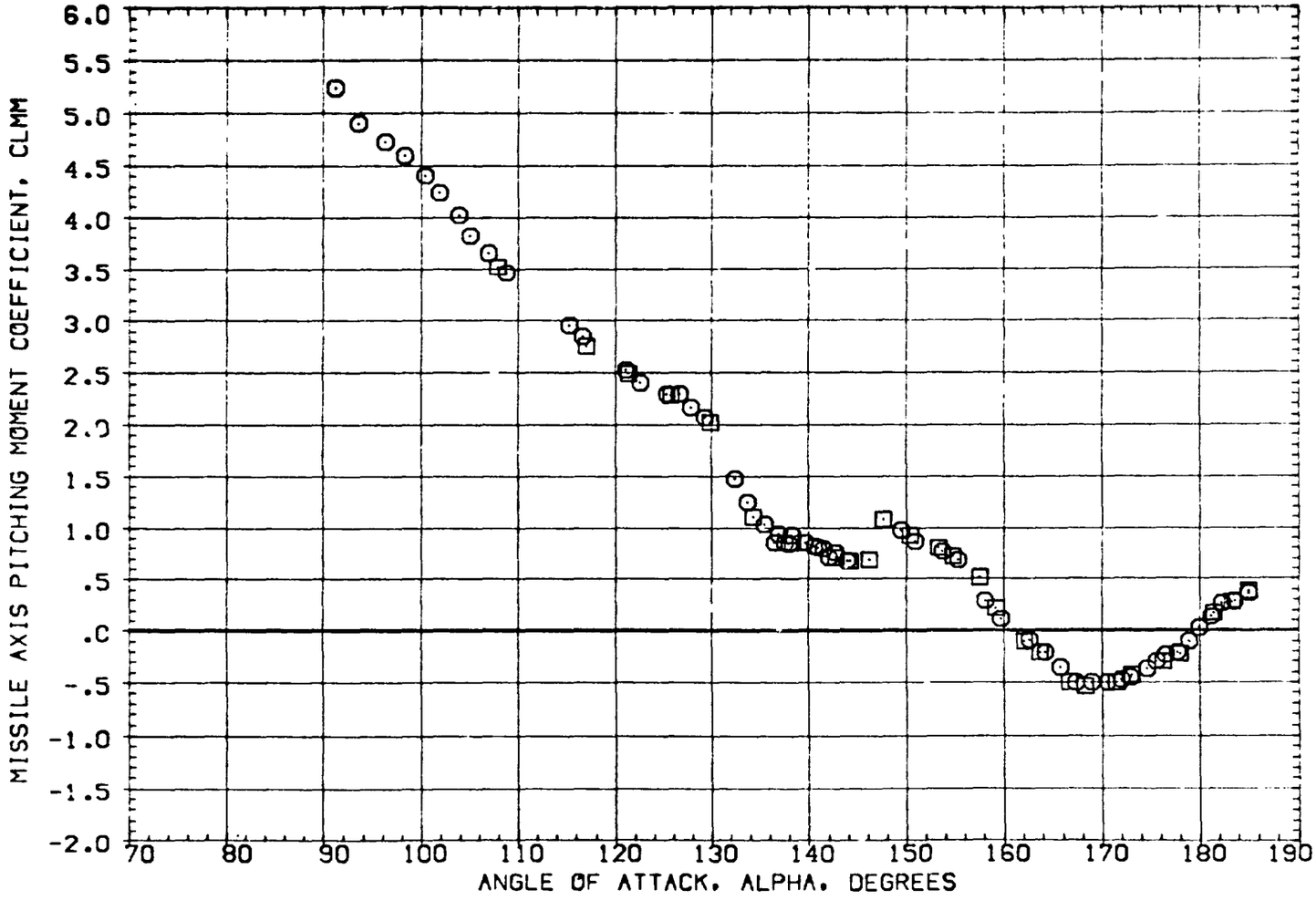


MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPSWP	PHI	BETA	ATTRNG
(CGE007)	□	LEWIS T-035 SA6F 142-IN SRB.(TED L)	1.000	.000	.000	1.000
(CGE008)	○	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	1.000	.000	.000	1.000
(CGE051)	△	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	2.000	.000	.000	1.000
(CGE052)	◇	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	2.000	.000	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

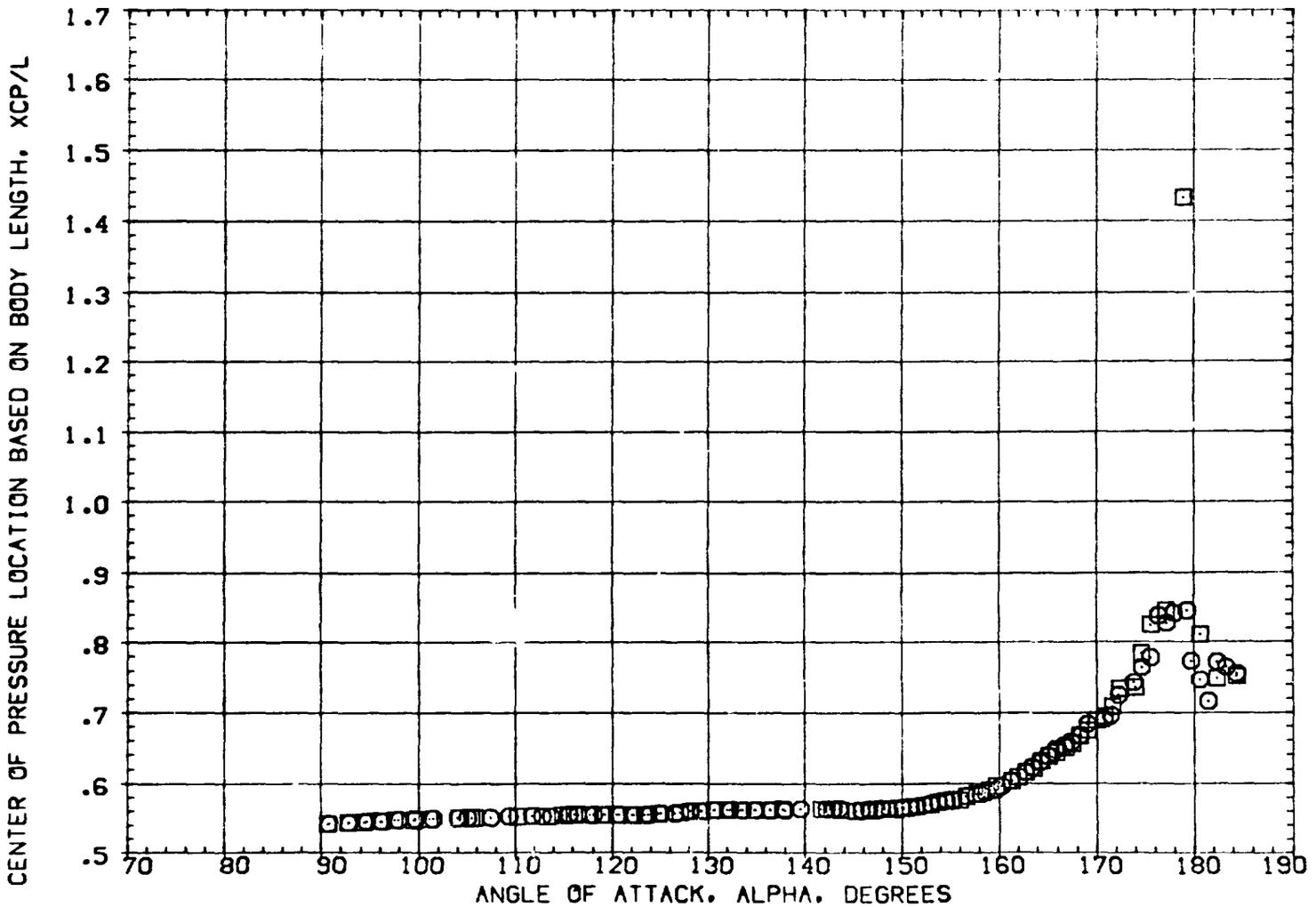


HYSTERESIS STUDY FOR BASIC SRB CONFIGURATION

(B)MACH = 2.68

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPSVP	PHI	BETA	ATTRNG
(CGE007)	○	LEWIS T-035 SA6F 142-IN SRB.(TED L)	1.000	.000	.000	1.000
(CGE008)	□	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	1.000	.000	.000	1.000
(CGE051)	△	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	2.000	.000	.000	1.000
(CGE052)	▽	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	2.000	.000	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

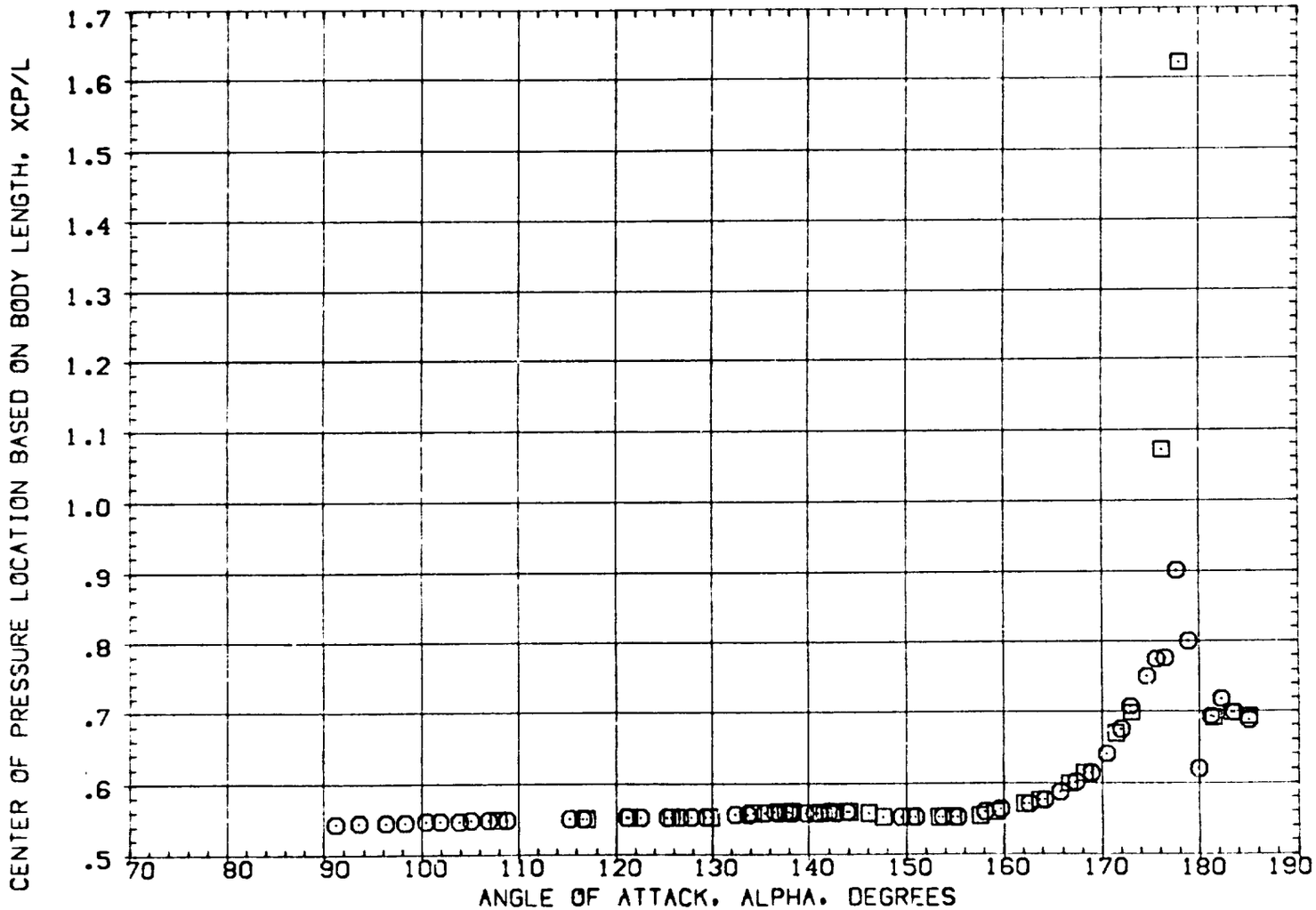


HYSTERESIS STUDY FOR BASIC SRB CONFIGURATION

(A)MACH = 2.00

DATA SET	SY	CONFIGURATION DESCRIPTION	ALPSWP	PHI	BETA	ATTRNG
(CGE007)	○	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED L)	1.000	.000	.000	1.000
(CGE008)	□	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	1.000	.000	.000	1.000
(CGE051)	△	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	2.000	.000	.000	1.000
(CGEC52)	▽	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	2.000	.000	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

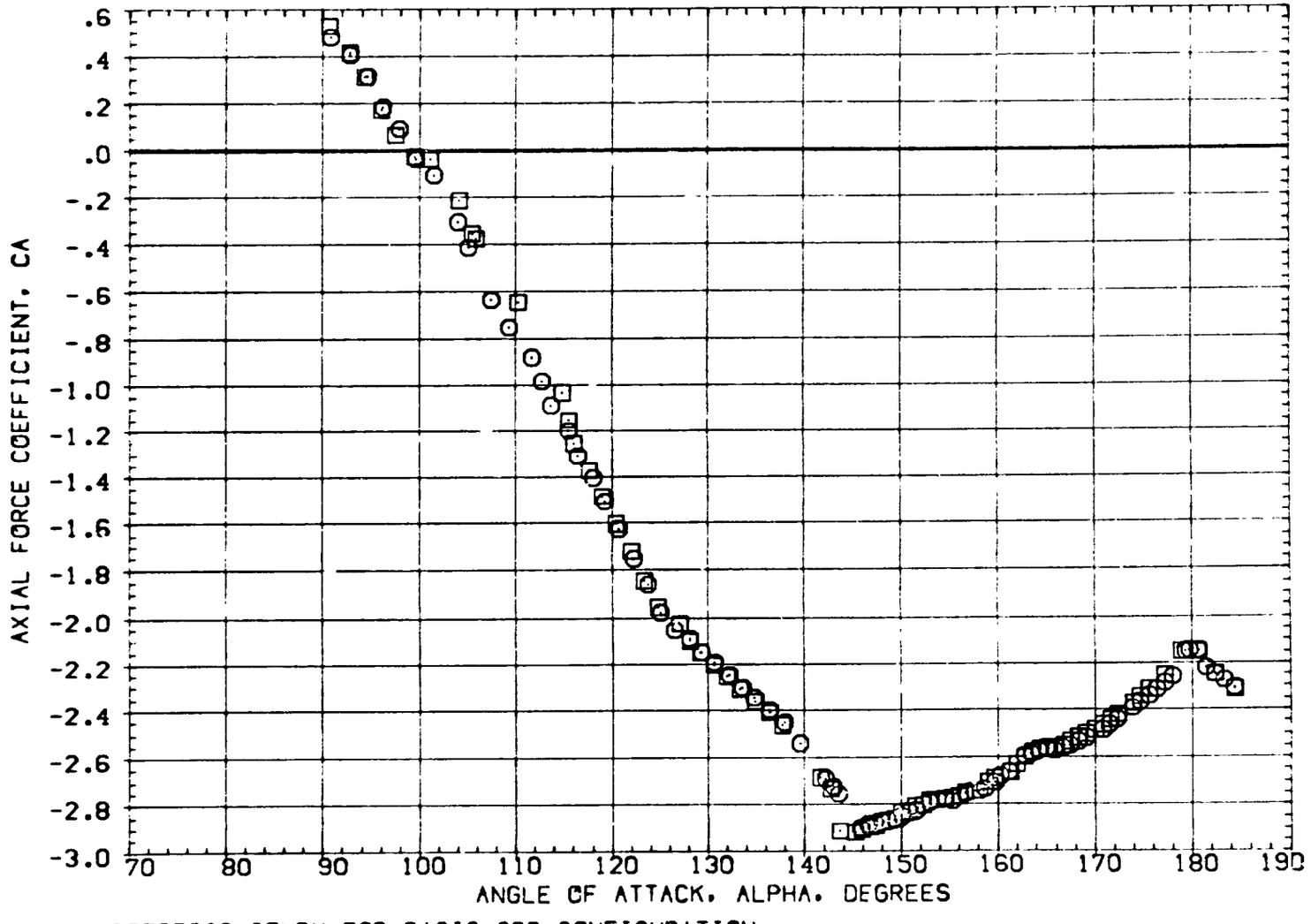


HYSTERESIS STUDY FOR BASIC SRB CONFIGURATION

(B)MACH = 2.68

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPSVP	PHI	BETA	ATTRNG
(CGE007)	○	LEWIS T-035 SA6F 142-IN SRB.(MOUNTED L)	1.000	.000	.000	1.000
(CGE008)	□	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED L)	1.000	.000	.000	1.000
(CGEC51)	◇	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	2.000	.000	.000	1.000
(CGEC52)	△	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	2.000	.000	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

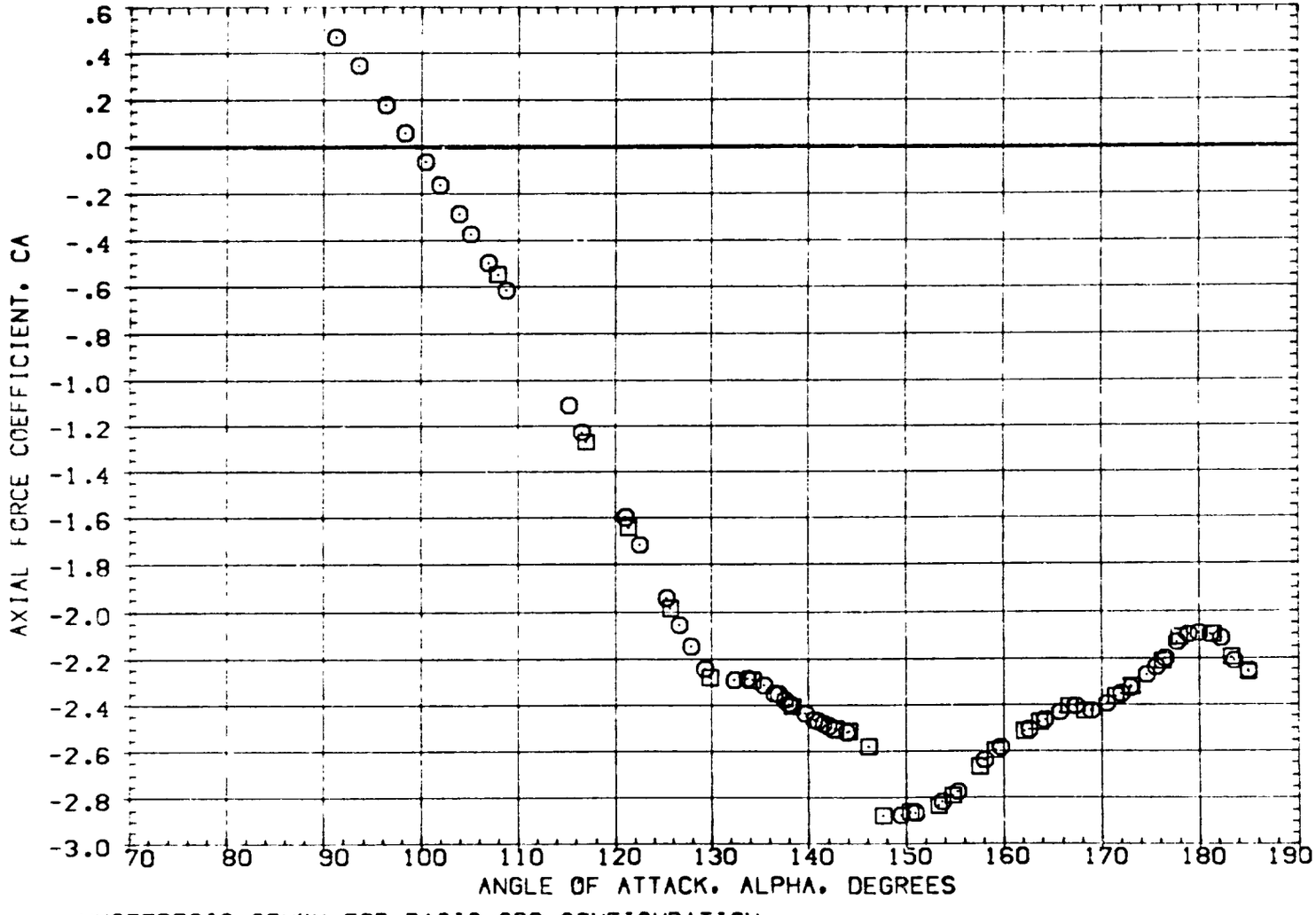


HYSTERESIS STUDY FOR BASIC SRB CONFIGURATION

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPSVP	PHI	BETA	ATTRNG
(CGE007)	○	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED L)	1.000	.000	.000	1.000
(CGE008)	□	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	1.000	.000	.000	1.000
(CGE051)		LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	2.000	.000	.000	1.000
(CGE052)	⊡	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	2.000	.000	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

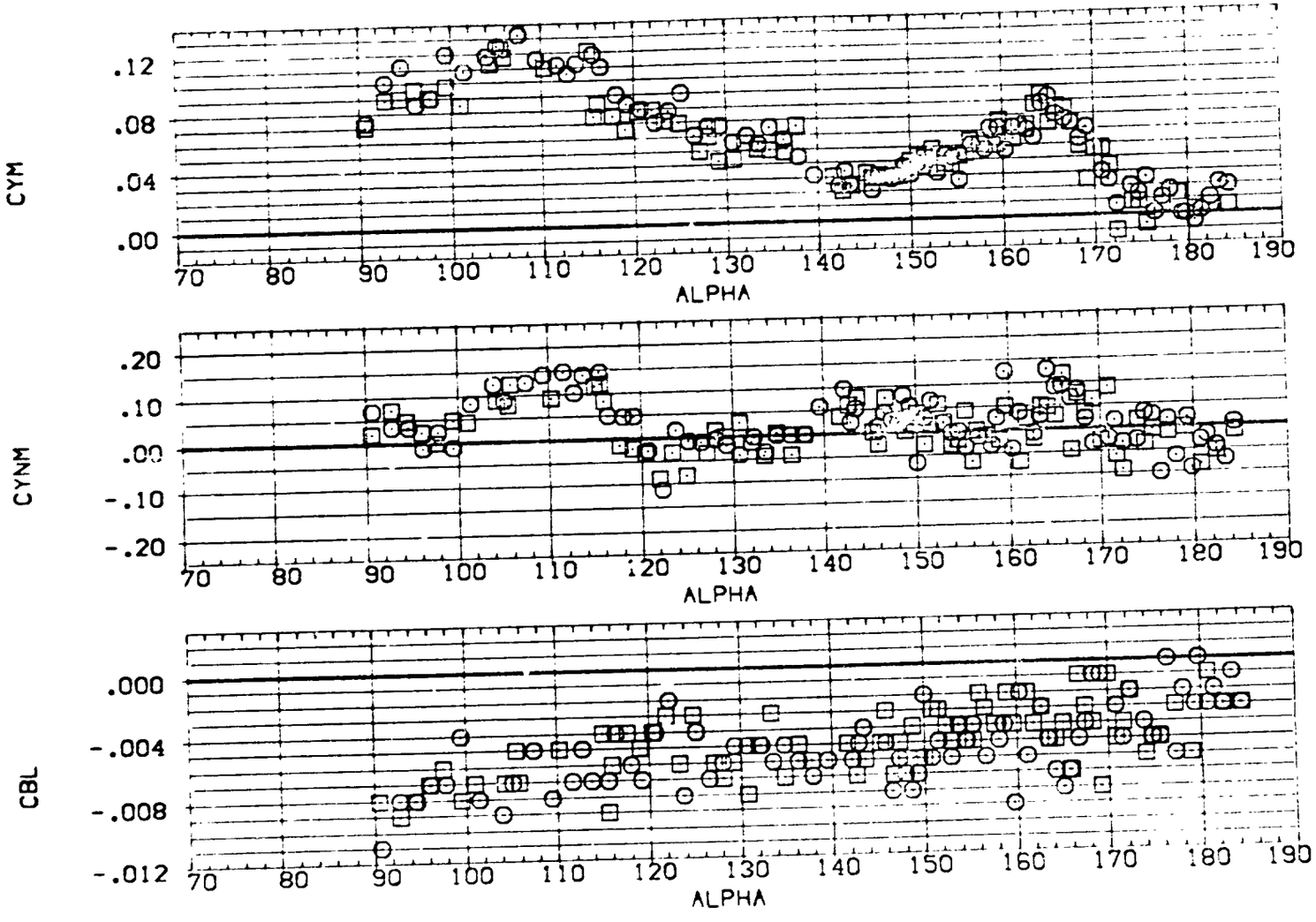


HYSTERESIS STUDY FOR BASIC SRB CONFIGURATION

(B)MACH = 2.68

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPSWP	PHI	BETA	ATTRNG
[illegible]	□	LEWIS T-035 SA6F 142-IN SRB. (NOSE MOUNTED MODEL)	1.000	.000	.000	1.000
[illegible]	△	LEWIS T-035 SA6F 142-IN SRB. (NOSE MOUNTED MODEL)	1.000	.000	.000	1.000
[illegible]	○	LEWIS T-035 SA6F 142-IN SRB. (NOSE MOUNTED MODEL)	2.000	.000	.000	1.000
[illegible]	+	LEWIS T-035 SA6F 142-IN SRB. (NOSE MOUNTED MODEL)	2.000	.000	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.02:1	

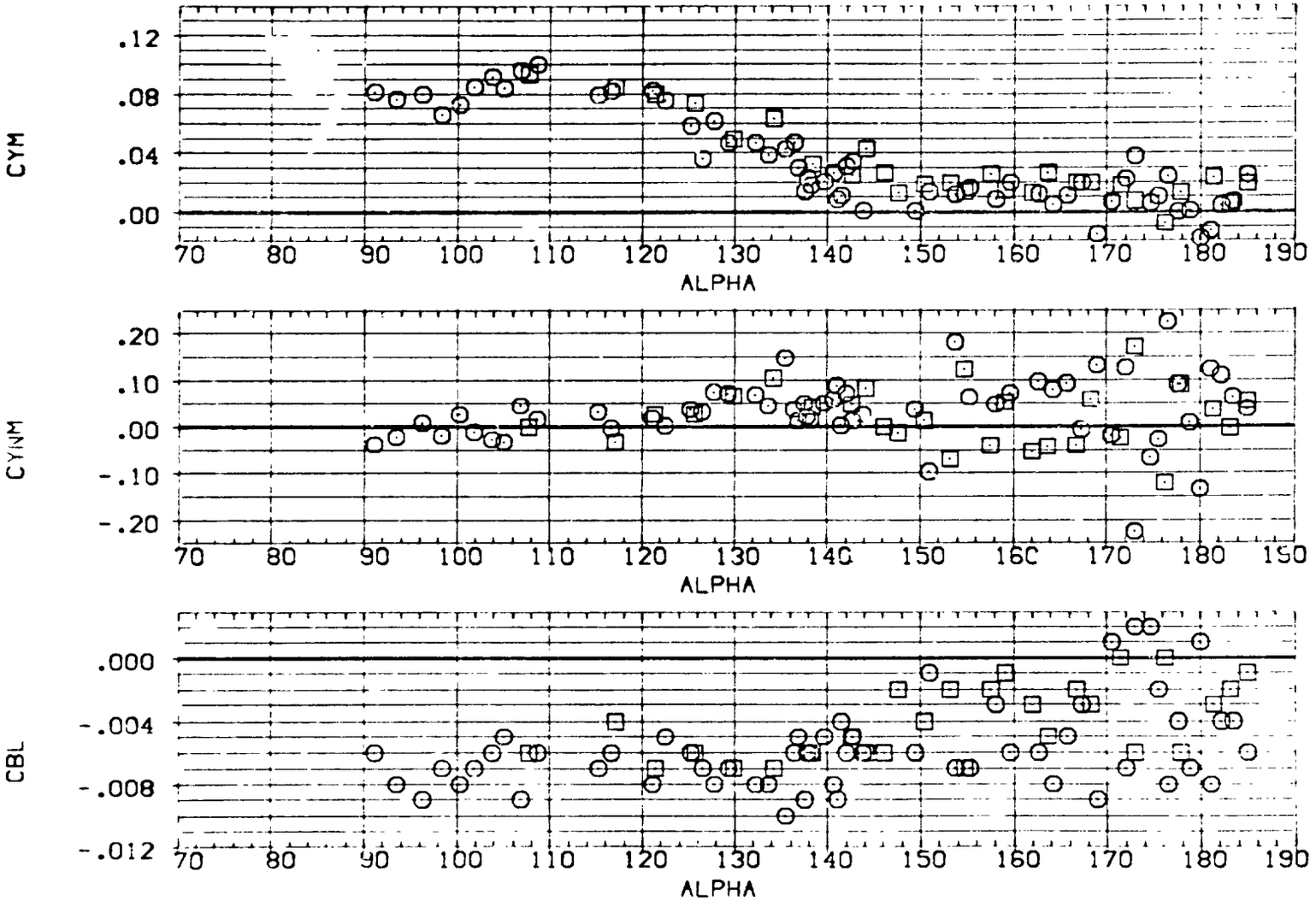


HYSTERESIS STUDY FOR BASIC SRB CONFIGURATION

CADMACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPSWP	PHI	BETA	ATTRNG
(CGE007)	○	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	1.000	.000	.000	1.000
(CGF008)	□	LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	1.000	.000	.000	1.000
(CGE051)		LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	2.000	.000	.000	1.000
(CGE052)		LEWIS T-035 SA6F 142-IN SRB.(NOSE MOUNTED MODEL)	2.000	.000	.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.02::	

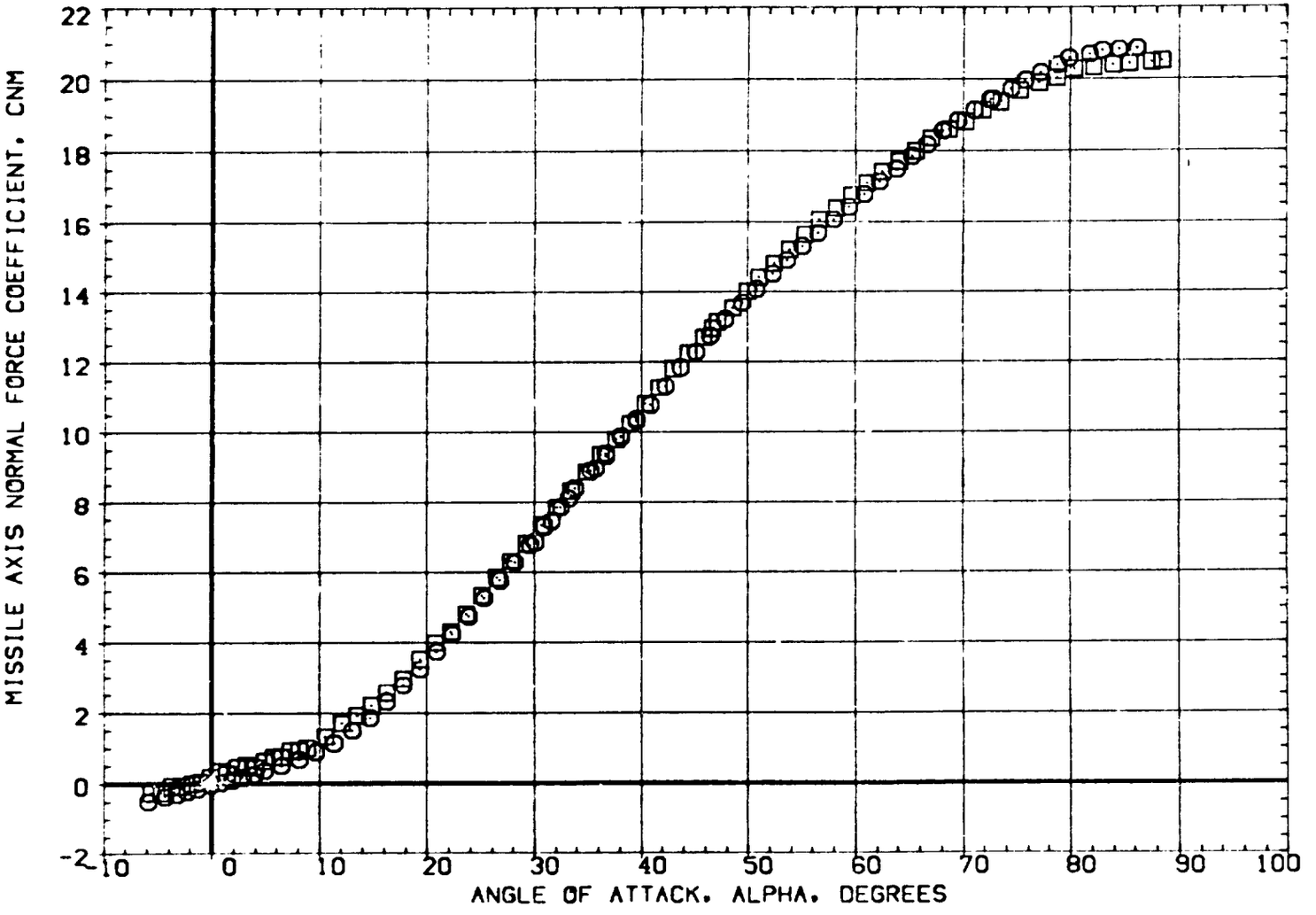


HYSTERESIS STUDY FOR BASIC SRB CONFIGURATION

(B)MACH = 2.68

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	RN/L
(0GE001)	○	LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	2.800
(0GE002)		LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	2.800
(0GE053)		LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	.560
(0GE054)		LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	.560

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

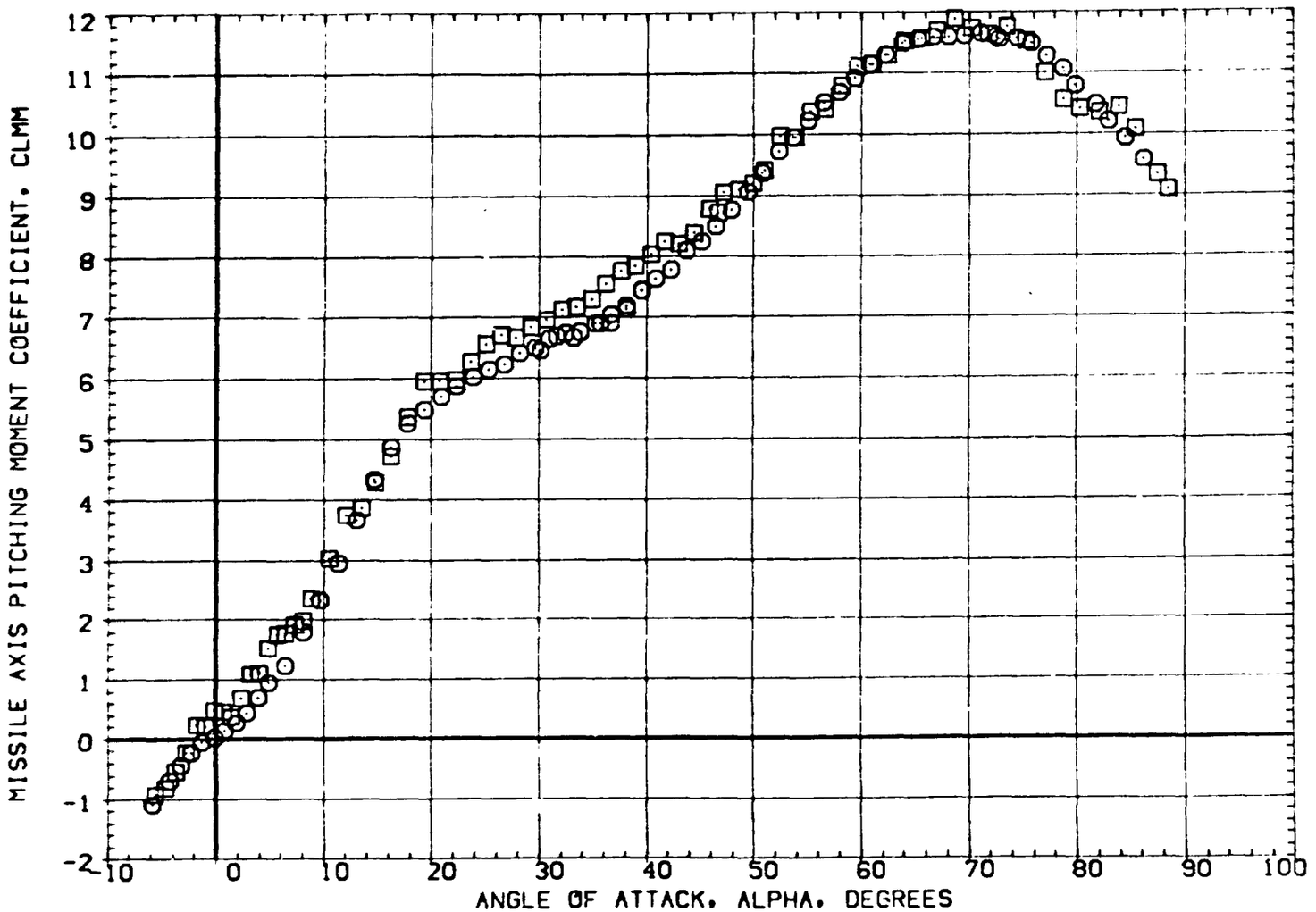


EFFECTS OF REYNOLDS NUMBER VARIATION

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	RN/L
(DGE001)	○	LEWIS T-035 SA6F 142-IN SRB.(TAIL TED L)	.000	.000	1.000	2.800
(DGE002)	□	LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	2.800
(CGE053)	△	LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	.560
(CGE054)	▽	LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	.560

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

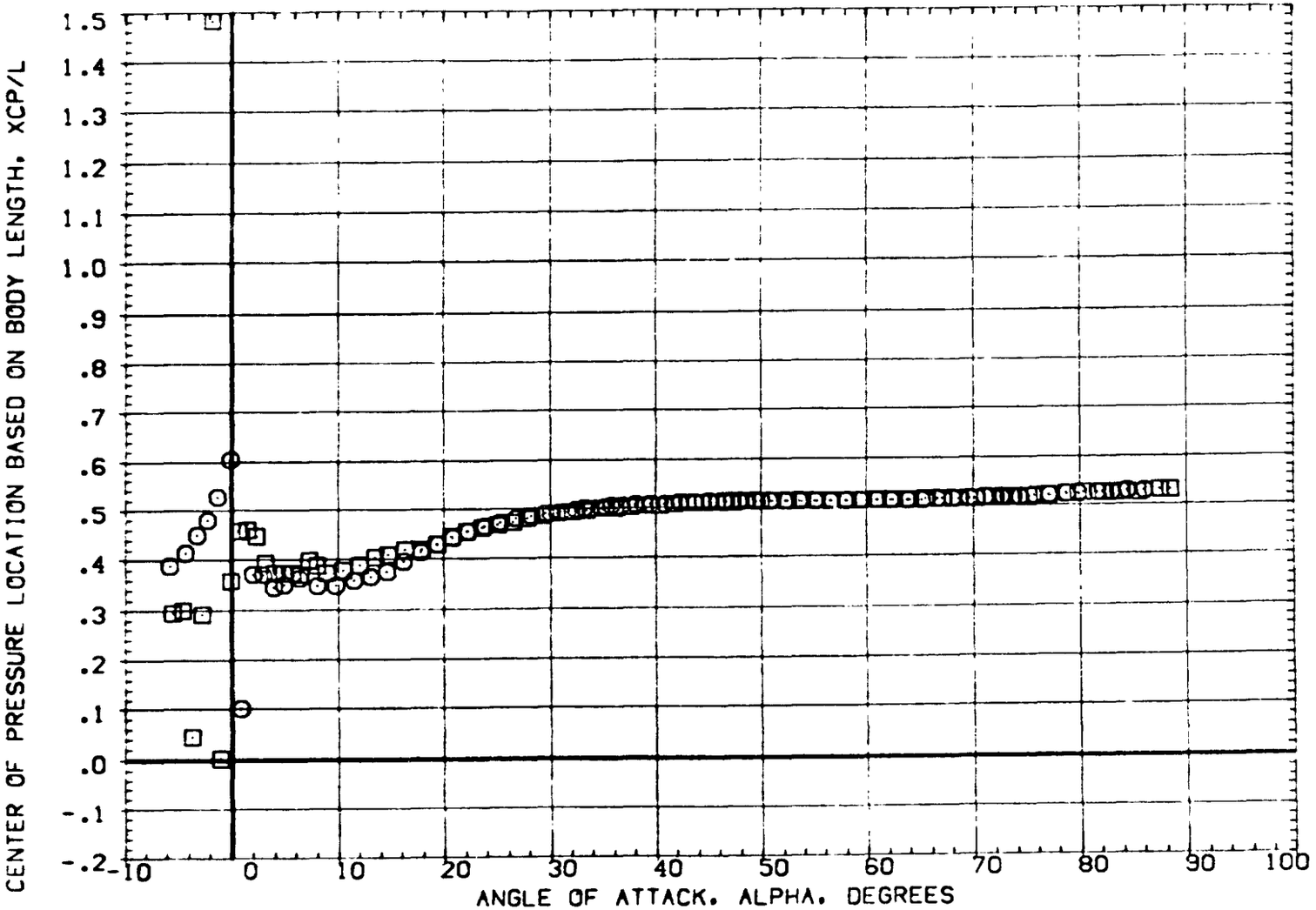


EFFECTS OF REYNOLDS NUMBER VARIATION

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	RN/L
[illegible]	○	LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED L)	.000	.000	1.000	2.800
[illegible]	[illegible]	LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	2.800
[illegible]	[illegible]	LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	.560
[illegible]	[illegible]	LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	.560

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

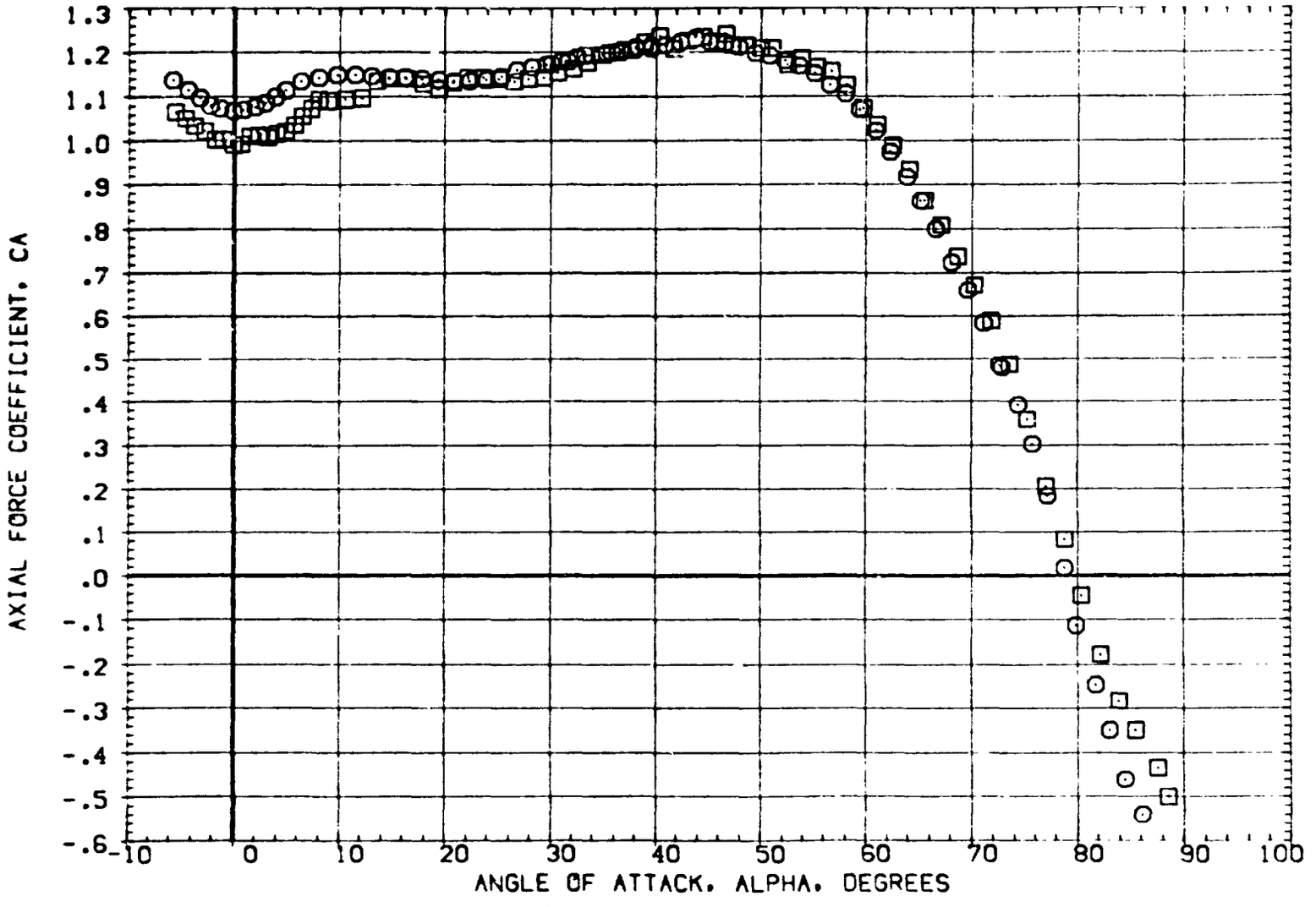


EFFECTS OF REYNOLDS NUMBER VARIATION

(A)MACH = 2.00

DATA SET	SY	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	RN/L
{ }	○	LEVIS T SA6F 142-IN SRB.(TAIL TED)	.	.000	1.000	2.800
{2GE }	□	LEVIS T-035 SA6F 142-IN SRB.(TAIL TED LJ)	.	.000	1.000	2.800
{GE }	△	LEVIS T- SA6F 142-IN SRB.(TAIL TED LJ)	.	.000	1.000	.560
{GE054 }	◇	LEVIS T-0 SA6F 142-IN .(TAIL TED LJ)	.	.000	1.000	.560

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

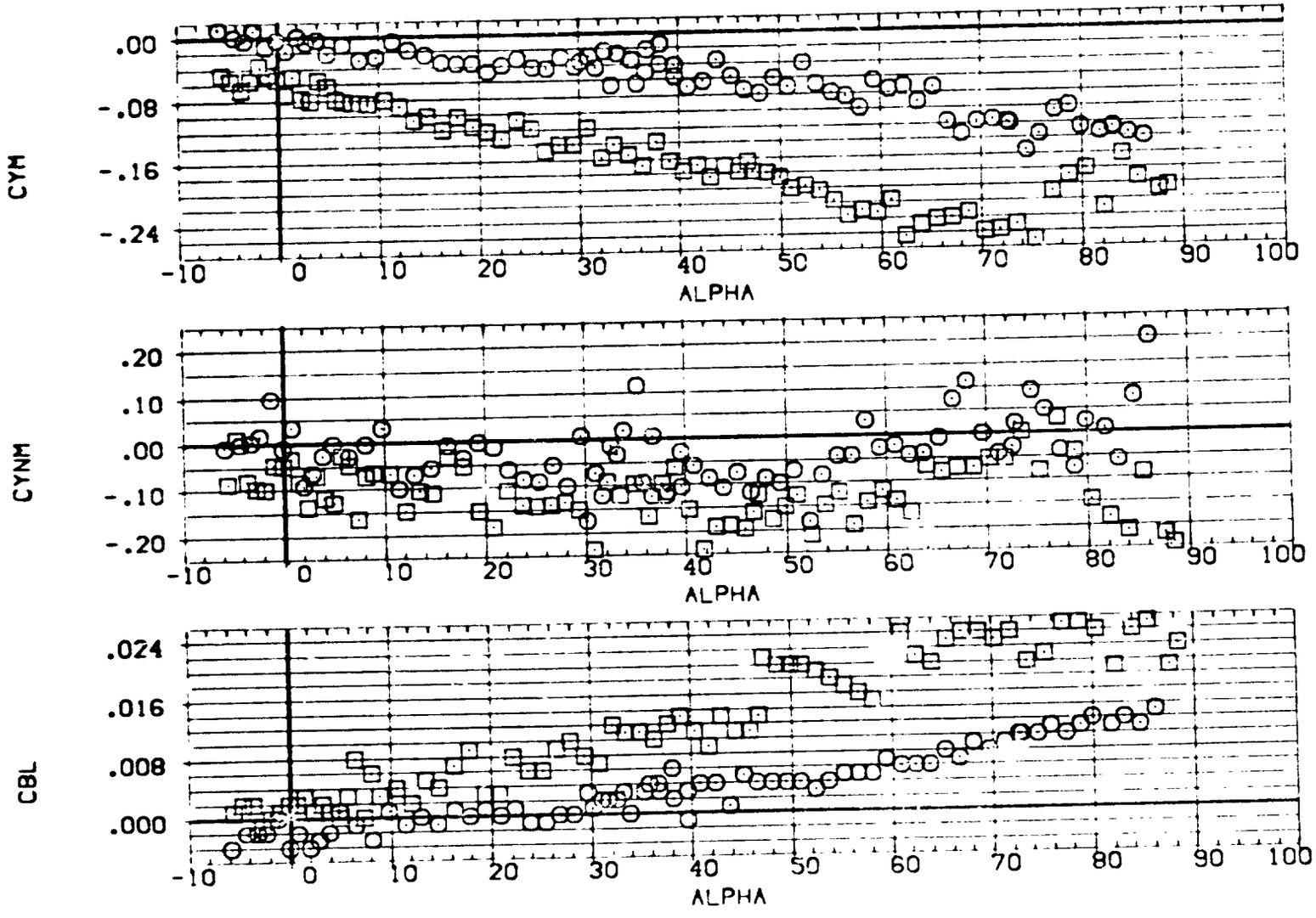


EFFECTS OF REYNOLDS NUMBER VARIATION

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	RN/L
[illegible]	[illegible]	LEWIS T-035 SA6F :42-IN SRB.(TAIL MOUNTED L)	.000	.000	1.000	2.800
[illegible]	[illegible]	LEWIS T-035 SA6F :42-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	2.800
[illegible]	[illegible]	LEWIS T-035 SA6F :42-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	.560
[illegible]	[illegible]	LEWIS T-035 SA6F :42-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	.560

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



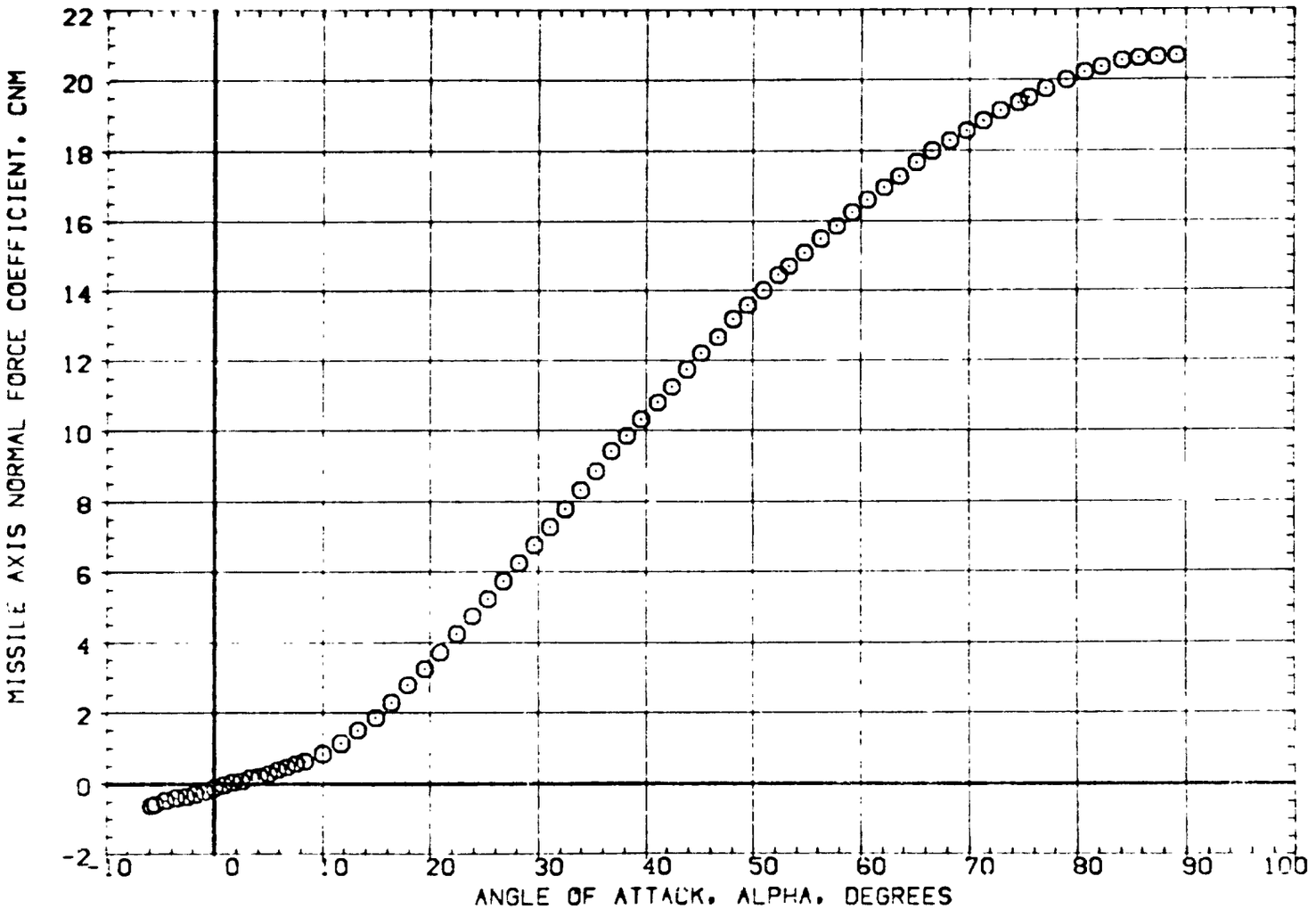
EFFECTS OF REYNOLDS NUMBER VARIATION

(A)MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	RN/L
[CGE041]	LEWIS T-035 SASF 142-IN SRB.(TAIL MOUNTED L)	.000	.000	1.000	2.860
[CGE042]	LEWIS T-035 SASF 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	2.860

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8300	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

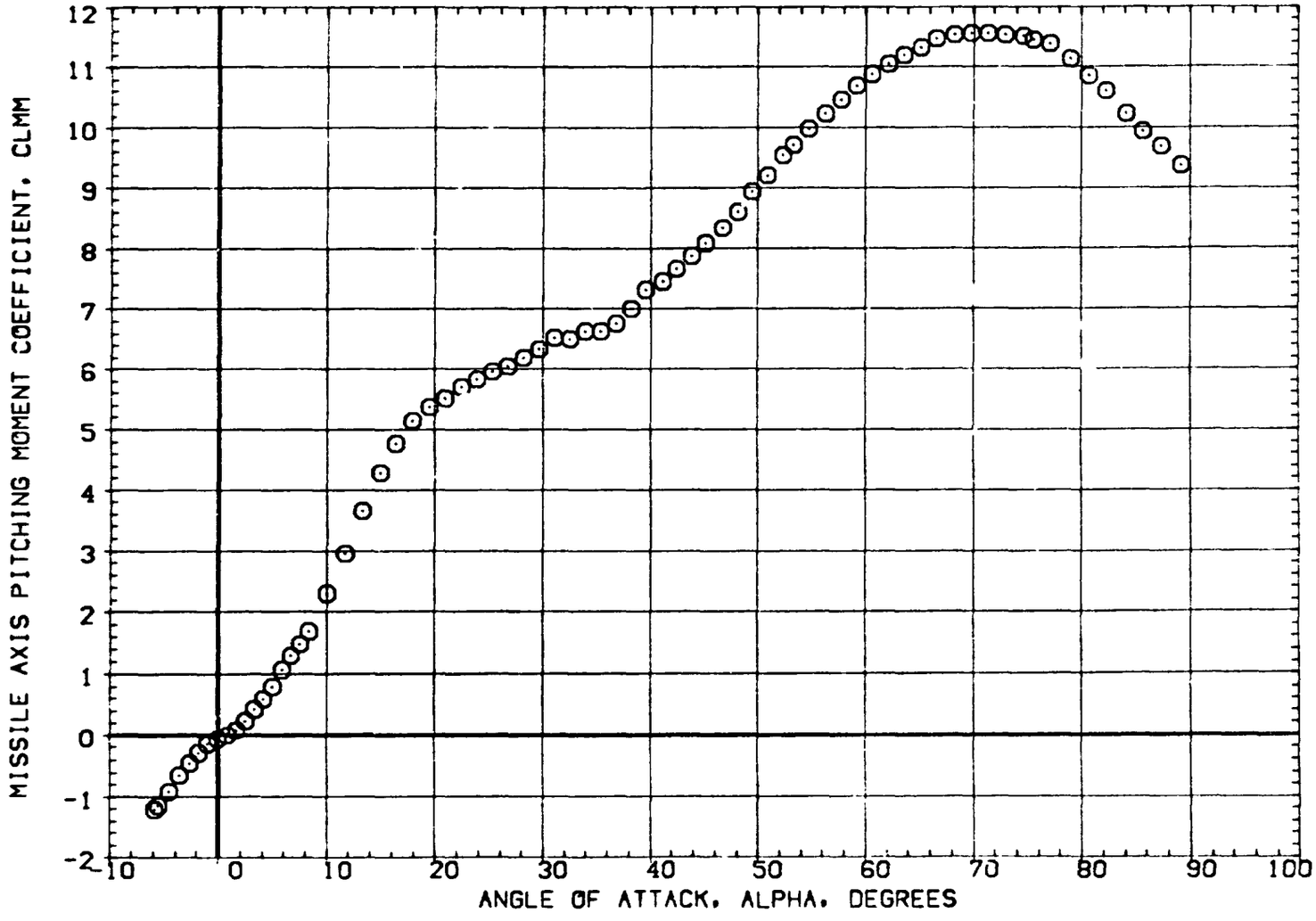


AERODYNAMIC CHARACTERISTICS OF TAIL MOUNTED MODEL W/NO. 120 TRIP STRIPS

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	RN/L
(CGE041)	8	LEWIS T-035 SA6F 142-IN SRB.(TAIL TED)	.000	.000	1.000	2.860
(CGE042)	8	LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED L)	.000	.000	1.000	2.860

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.	IN.
SCALE	.0211	

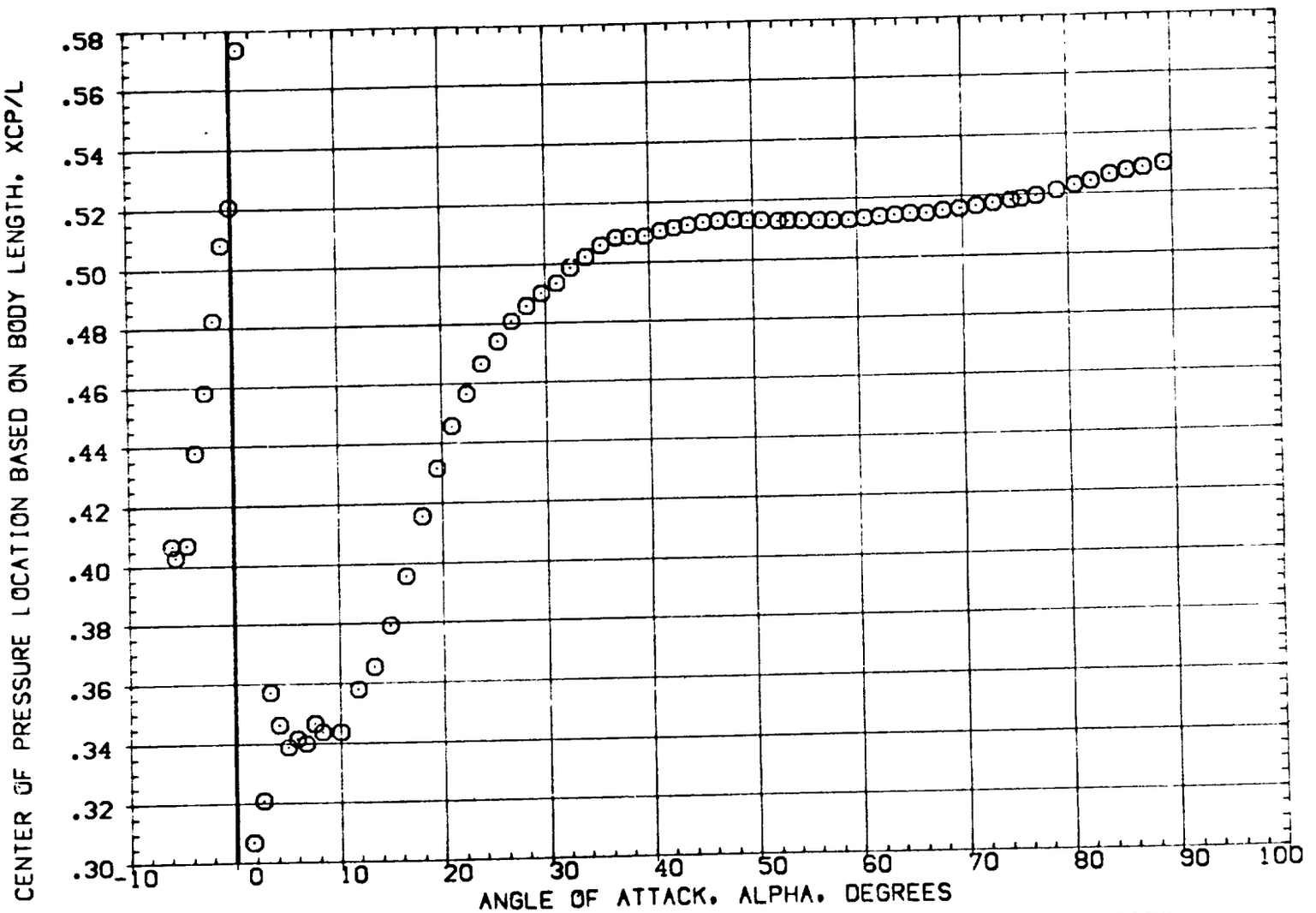


AERODYNAMIC CHARACTERISTICS OF TAIL MOUNTED MODEL W/NO. 120 TRIP STRIPS

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	RN/L
[CGE041]	8	LEWIS T-035 SAGF 142-IN SRB.(TAIL MOUNTED L)	.000	.000	1.000	2.860
[CGE042]	8	LEWIS T-035 SAGF 142-IN SRB.(TAIL MOUNTED L)	.000	.000	1.000	2.860

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

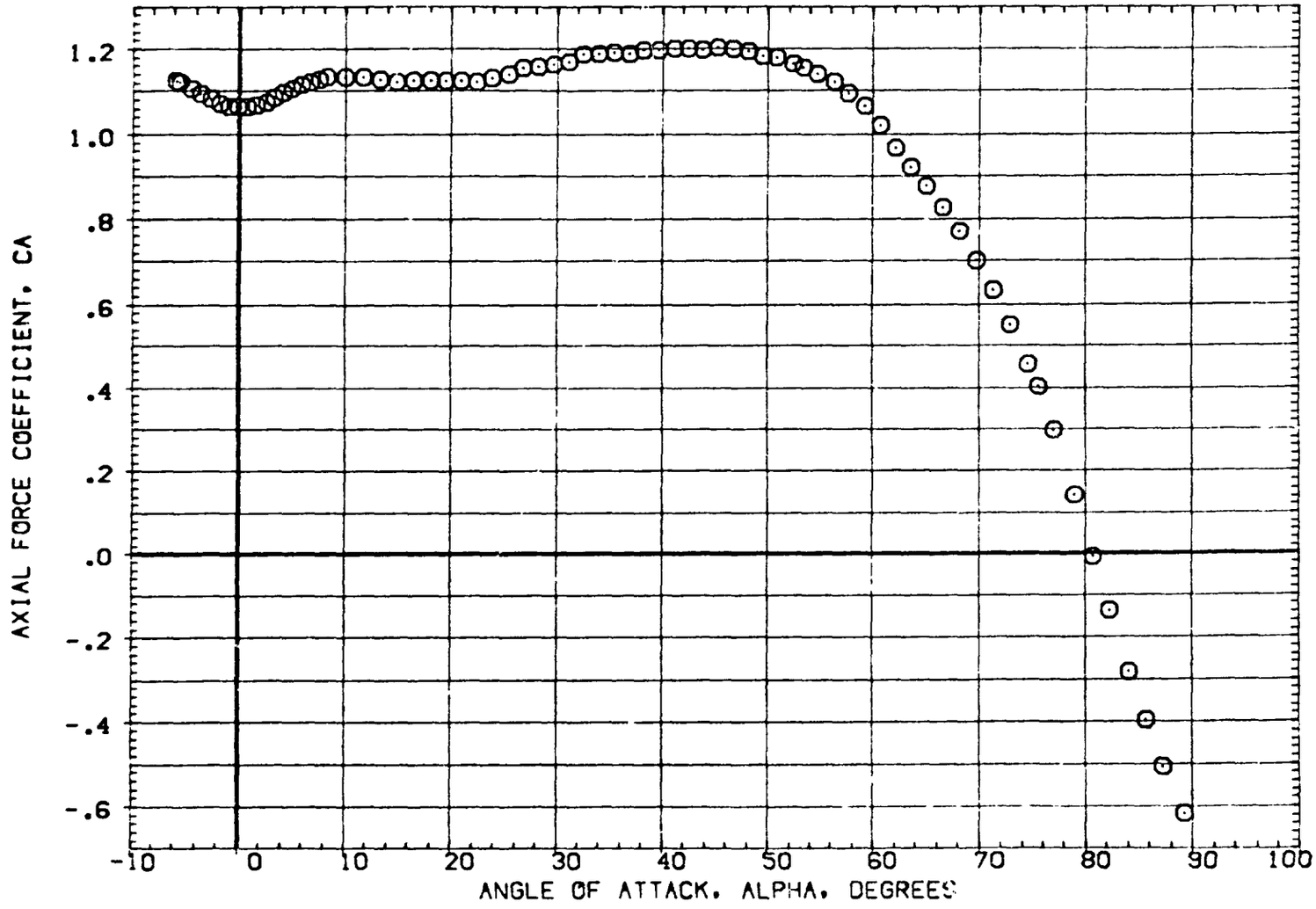


AERODYNAMIC CHARACTERISTICS OF TAIL MOUNTED MODEL W/NO. 120 TRIP STRIPS

(A)MACH = 2.00

DATA SET SY		CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	RN/L
(CGE041)	8	LEWIS T-035 SA6F 142-IN SRB.(TAIL TED L)	.000	.000	1.000	2.
(CGE042)	8	LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	2.860

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

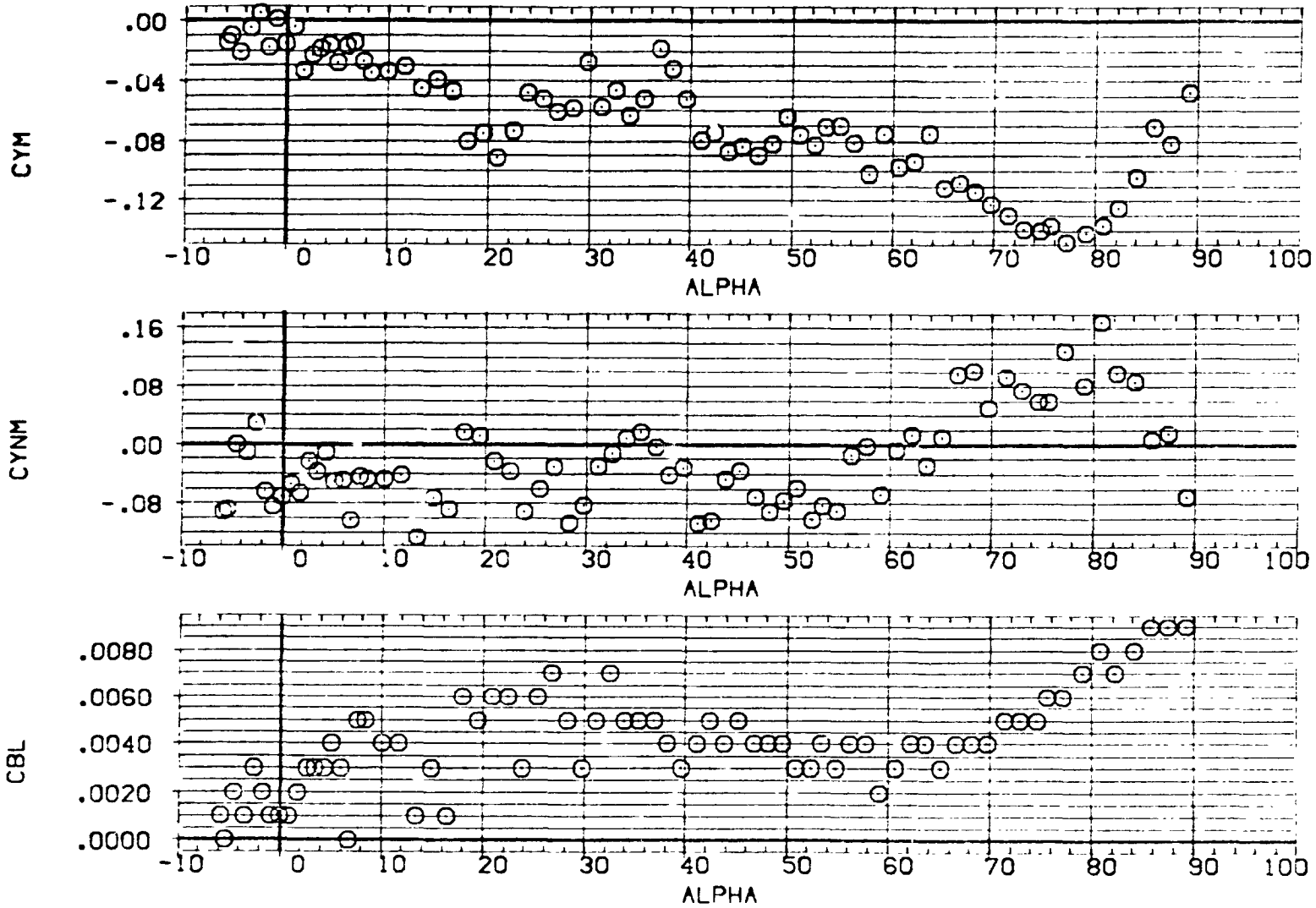


AERODYNAMIC CHARACTERISTICS OF TAIL MOUNTED MODEL W/NO. 120 TRIP STRIPS

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	RN/L
(CGE041)	8	LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED L)	.000	.000	1.000	2.860
(CGE042)	8	LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	2.860

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.021	

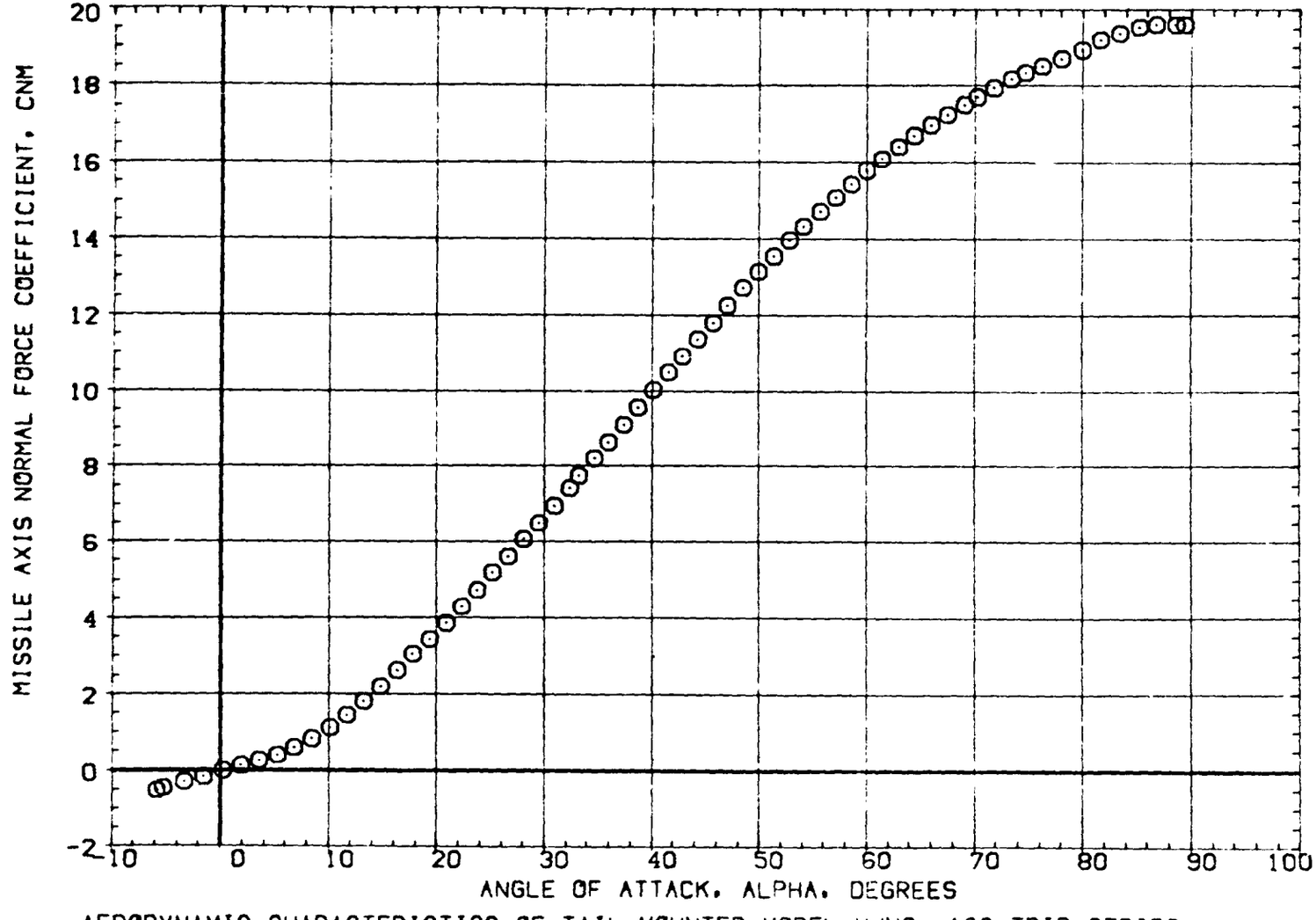


AERODYNAMIC CHARACTERISTICS OF TAIL MOUNTED MODEL W/NO. 120 TRIP STRIPS

(A)MACH = 2.00

DATA SET SY		CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	RN/L
(CGEC43)	8	LEWIS T-035 SA6F 142-IN SRB.(TAIL TED)	.000	.000	1.000	2.340
(CGEC44)	8	LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	2.340

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.0000	IN.
SCALE	.0211	

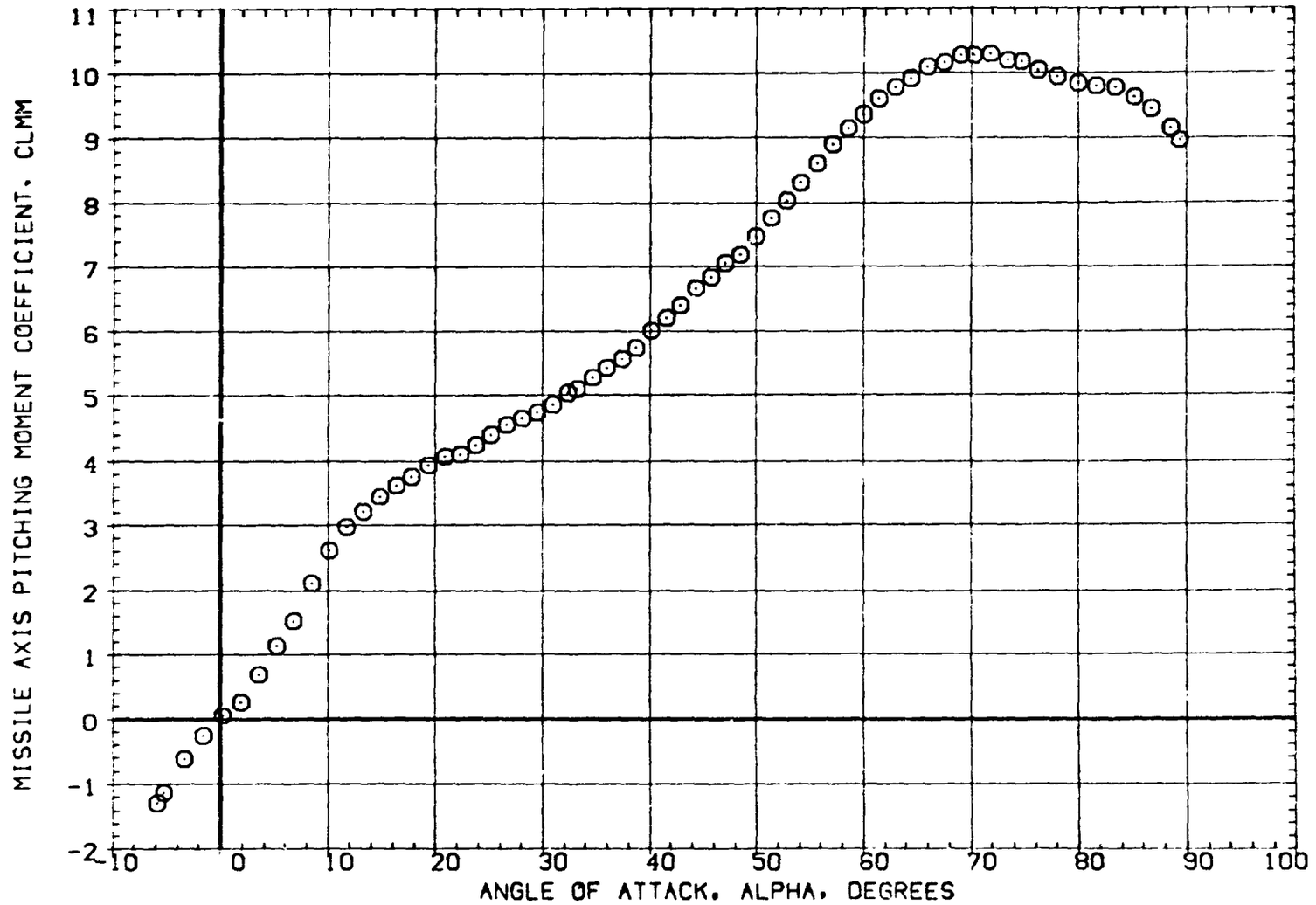


AERODYNAMIC CHARACTERISTICS OF TAIL MOUNTED MODEL W/NO. 120 TRIP STRIPS

(A)MACH = 2.68

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	RN/L
(CGE043)	8	LEWIS T-035 SAGF 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	2.340
(CGE044)	8	LEWIS T-035 SAGF 142-IN SRB.(TAIL MOUNTED MODEL)	.000	.000	1.000	2.340

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

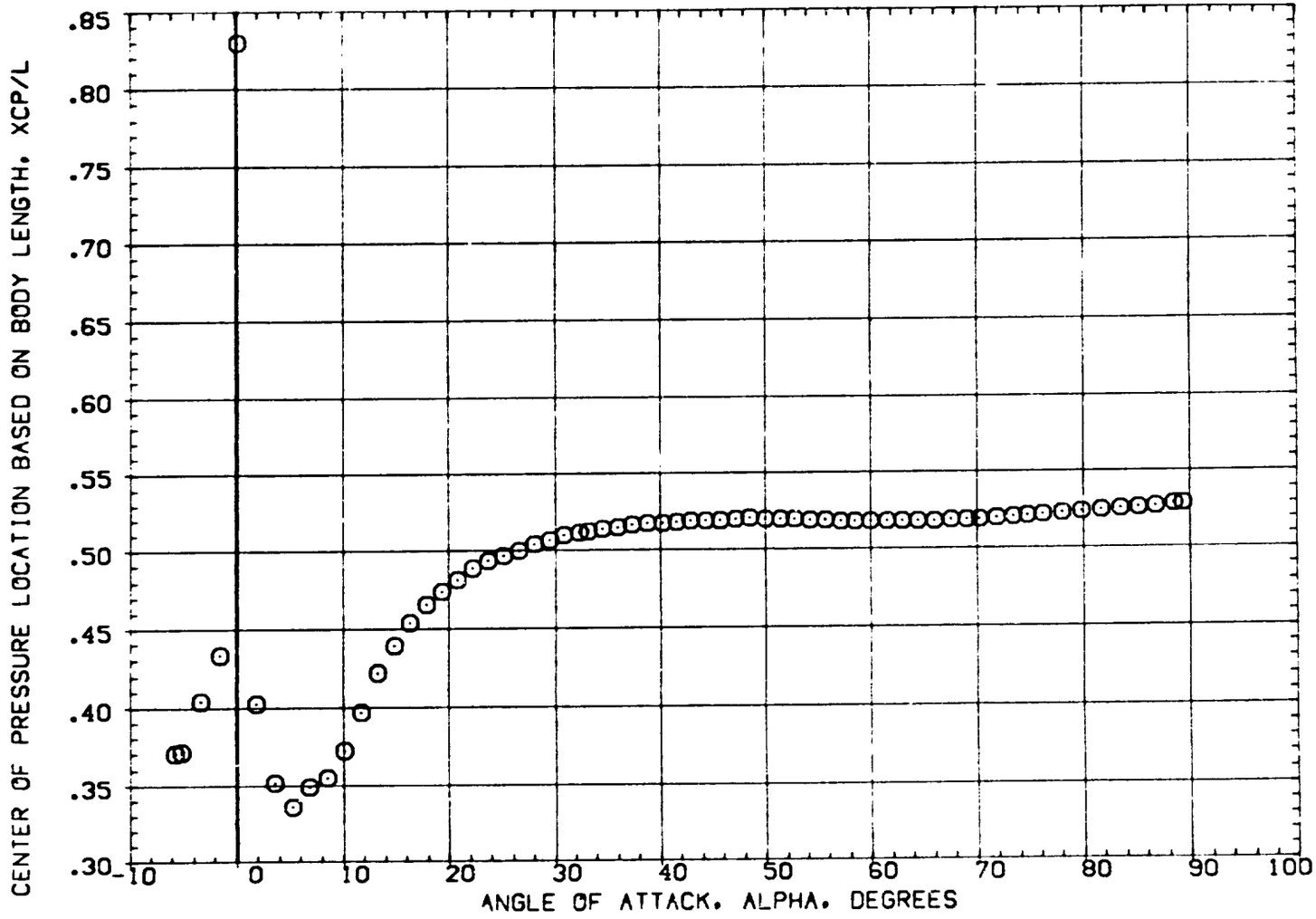


AERODYNAMIC CHARACTERISTICS OF TAIL MOUNTED MODEL W/NO. 120 TRIP STRIPS

(A)MACH = 2.68

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			PHI	BETA	ATTRNG	RN/L
(CGE043)	8	LEWIS T-035 142-IN SRB.(TAIL	TED	L)	.000	.000	1.000	2.340
(CGE044)	8	LEWIS T-035 SAGF 142-IN SRB.(TAIL	TED	L)	.000	.000	1.000	2.340

REFERENCE INF		TION
SREF	7.	SQ.IN.
LREF	3.	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.	IN.
SCALE	.0211	

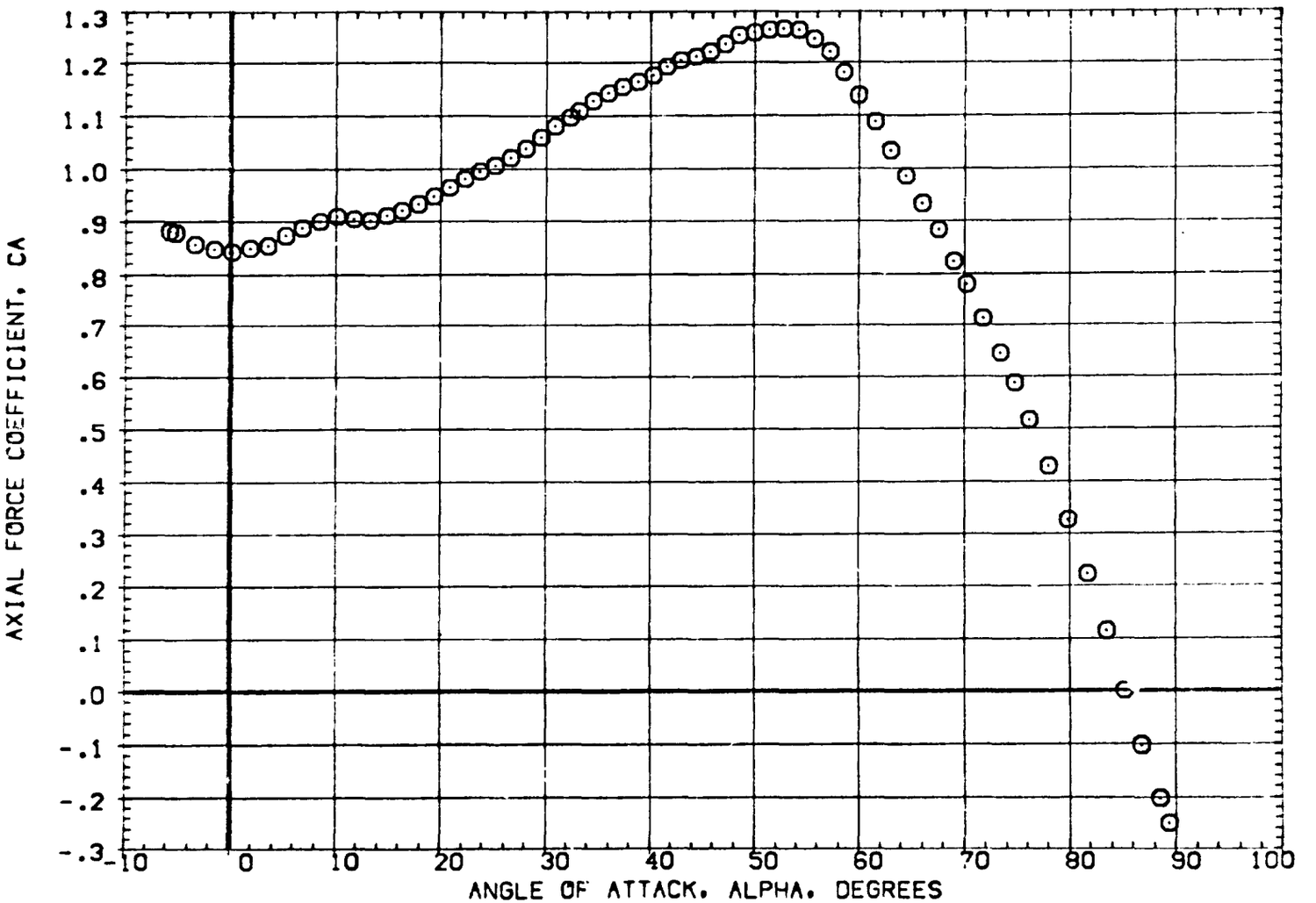


AERODYNAMIC CHARACTERISTICS OF TAIL MOUNTED MODEL W/NO. 120 TRIP STRIPS

(A)MACH = 2.68

DATA SET S		CONFIGURATION DESCRIPTION		PHI	BETA	ATTRNG	RN/L
[CGE043]	8	LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED	L)	.000	.000	1.000	2.340
[CGE044]	8	LEWIS T-035 SA6F 142-IN SRB.(TAIL MOUNTED	L)	.000	.000	1.000	2.340

REFERENCE INF		TION
SREF	7.	SQ.IN.
LREF	3.	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.	IN.
SCALE	.0211	

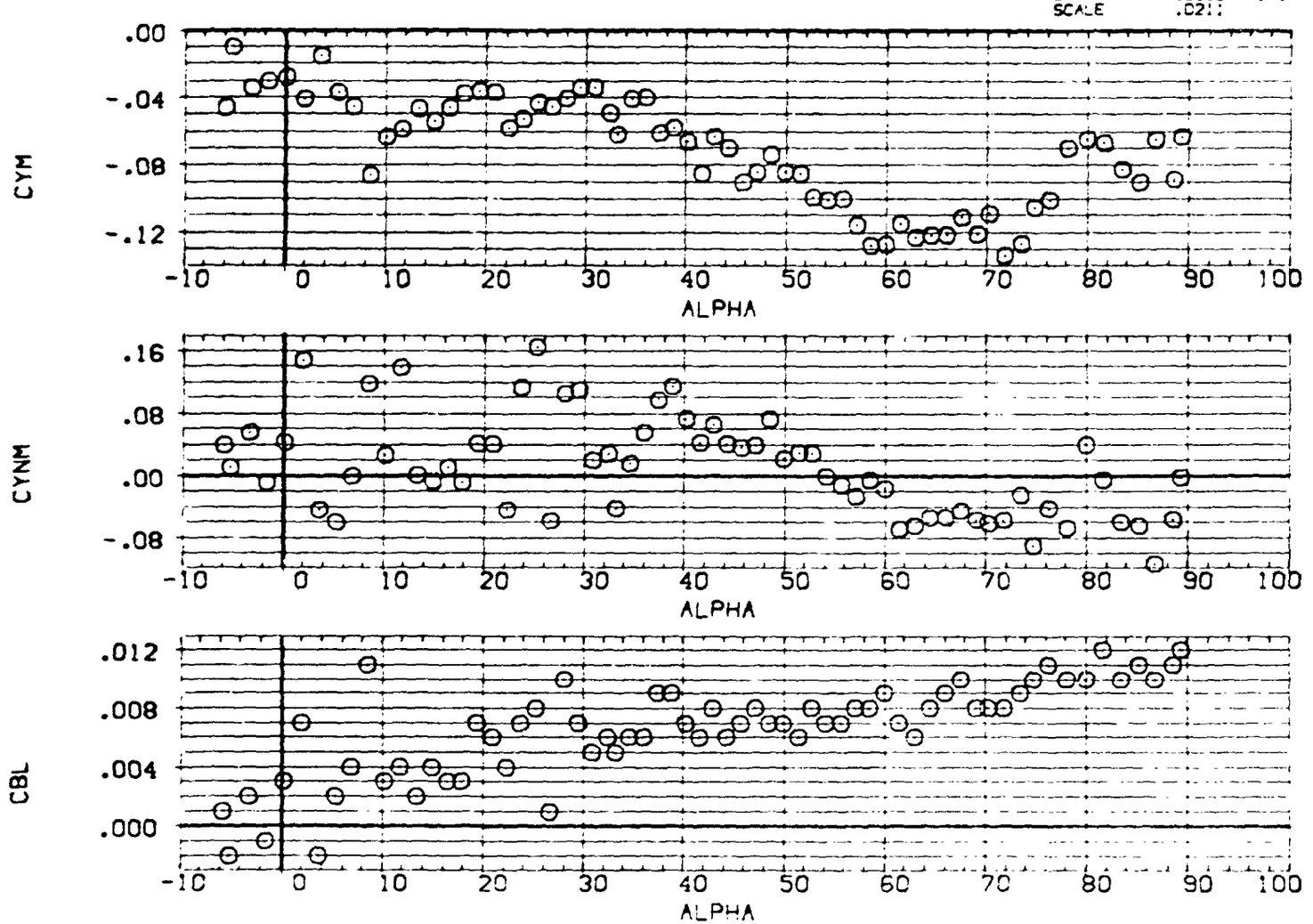


AERODYNAMIC CHARACTERISTICS OF TAIL MOUNTED MODEL W/NO. 120 TRIP STRIPS

(A)MACH = 2.68

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		PHI	BETA	ATTRNG	RN/L
(CGE043)	○	LEWIS T-035 SAGF 142-IN SRB.(TAIL MOUNTED	L)	.000	.000	1.000	2.340
(CGE044)	○	LEWIS T-035 SAGF 142-IN SRB.(TAIL MOUNTED	L)	.000	.000	1.000	2.340

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.021	

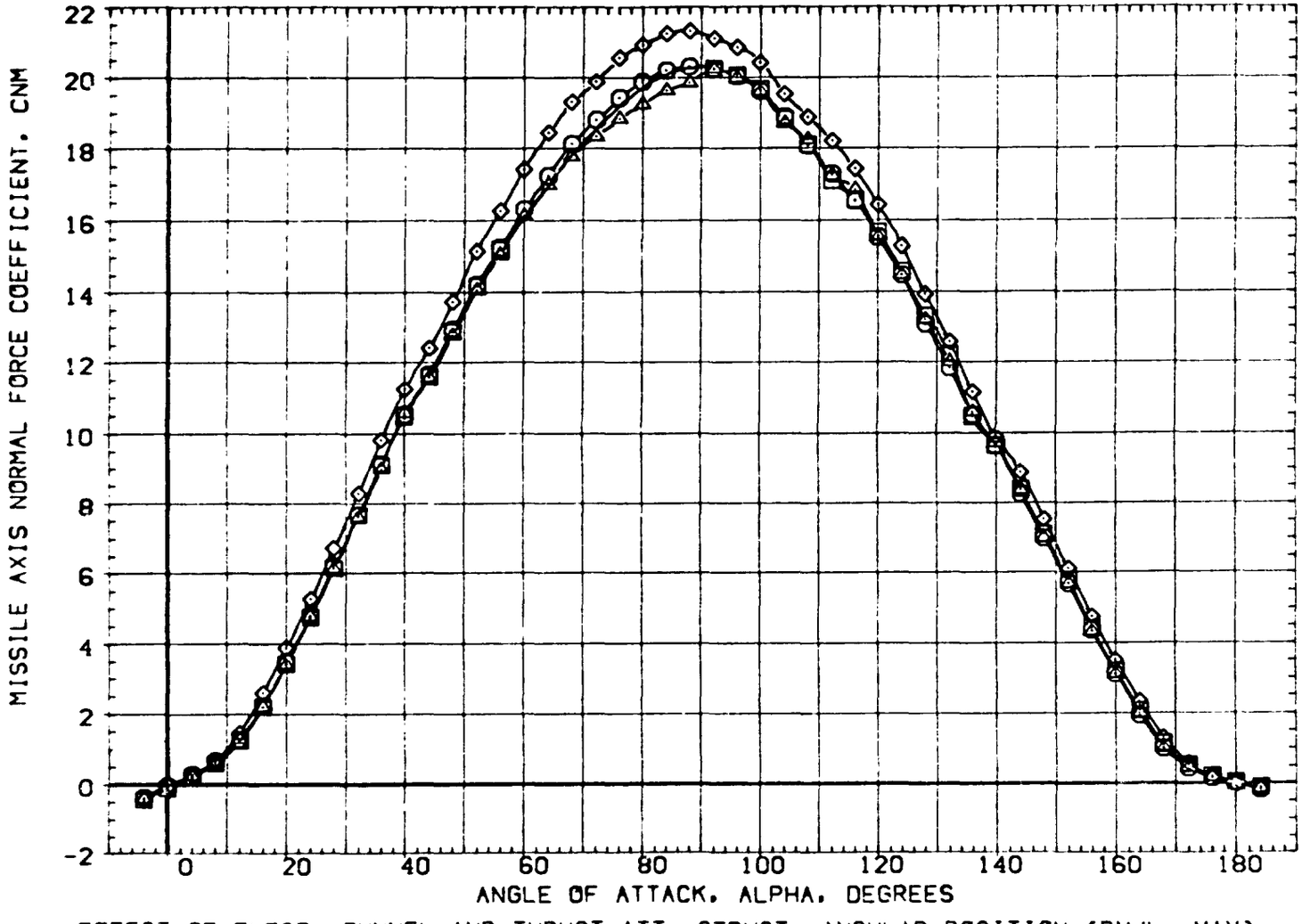


AERODYNAMIC CHARACTERISTICS OF TAIL MOUNTED MODEL W/NO. 120 TRIP STRIPS

(A)MAC= = 2.68

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ELETUN
(GGE101)	○	LEWIS T-035 SA6F 142-IN SRB	.000	.000	1.000	.000
(GGE109)	□	LEWIS T-035 SA6F 142-IN SRB	45.000	.000	1.000	1.000
(GGE113)	⊠	LEWIS T-035 SA6F 142-IN SRB	90.000	.000	1.000	1.000
(GGE117)	△	LEWIS T-035 SA6F 142-IN SRB	135.000	.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.0000	IN.
SCALE	.0211	



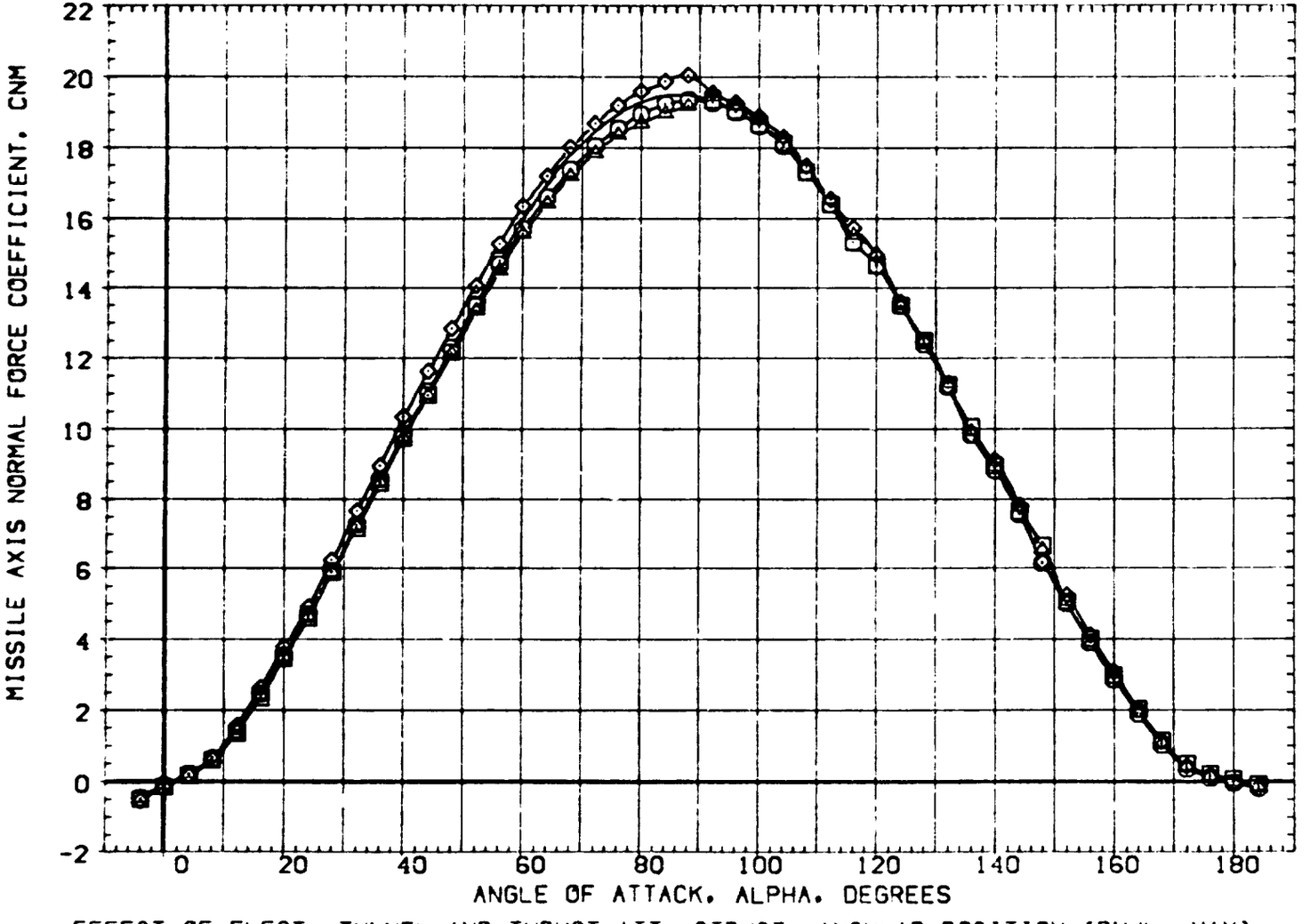
EFFECT OF ELECT. TUNNEL AND THRUST ATT. STRUCT. ANGULAR POSITION (RN/L= MAX)

(A)MACH = 2.00

DATA SET	SY	CONFIGURATION DESCRIPTION
[GGE101]	◇	LEWIS T-035 142-IN SRB
[GGE109]	□	LEWIS T-035 SA6F 142-IN SRB
[GGE113]	⊠	LEWIS T-035 SA6F 142-IN SRB
[GGE117]	△	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTRNG	ELETUN
.000	.000	1.000	.000
45.000	.000	1.000	1.000
90.000	.000	1.000	1.000
135.000	.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.	SQ.IN.
LREF	3.	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



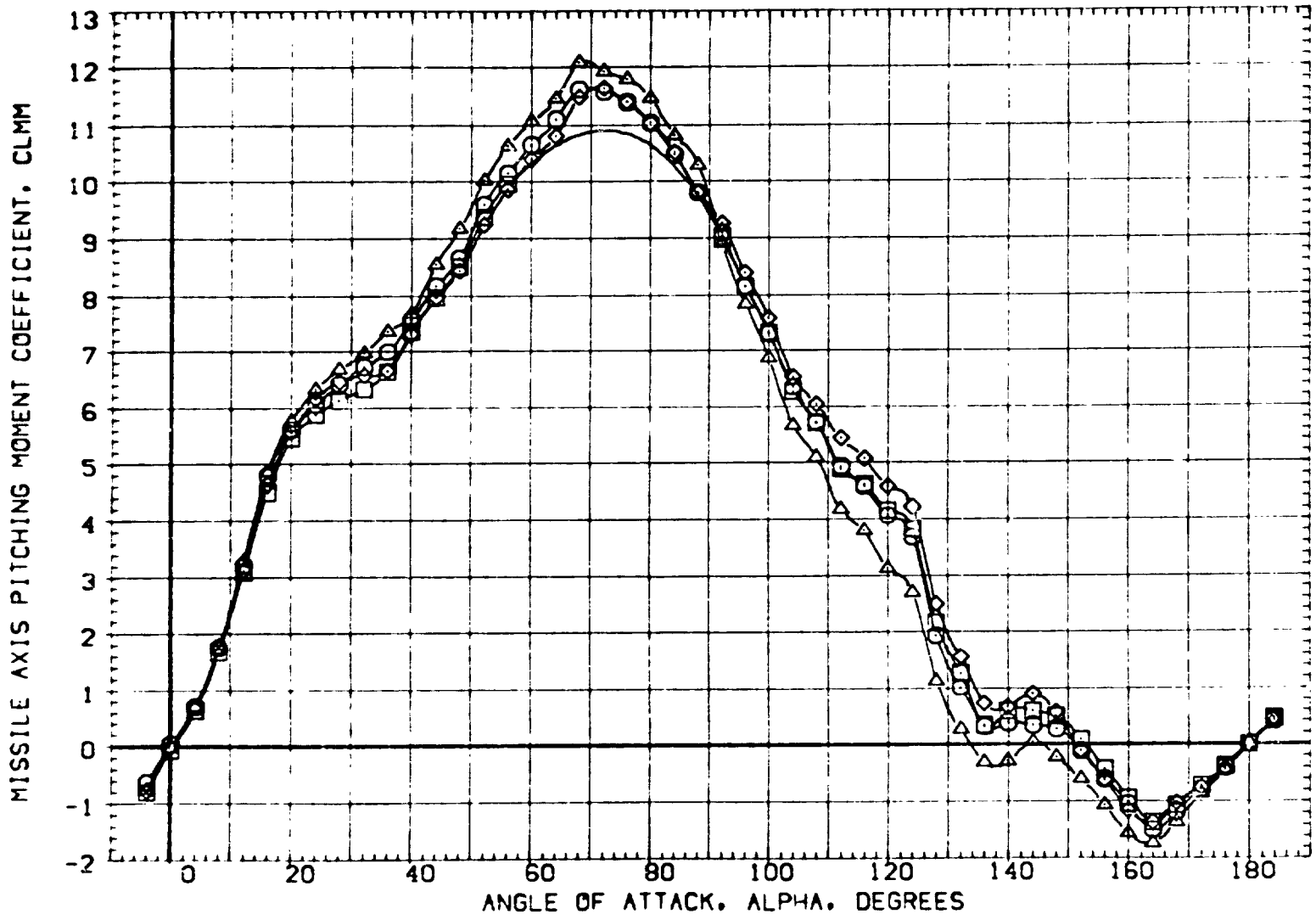
EFFECT OF ELECT. TUNNEL AND THRUST ATT. STRUCT. ANGULAR POSITION (RN/L= MAX)

(B)MACH = 2.70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(GGE101)	□	LEWIS T-035 SA6F 142-IN SRB
(GGE109)	◇	LEWIS T-035 SA6F 142-IN SRB
(GGE113)	⊠	LEWIS T-035 SA6F 142-IN SRB
(GGE117)	△	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTRNG	ELETUN
.000	.000	1.000	.000
45.000	.000	1.000	1.000
90.000	.000	1.000	1.000
135.000	.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



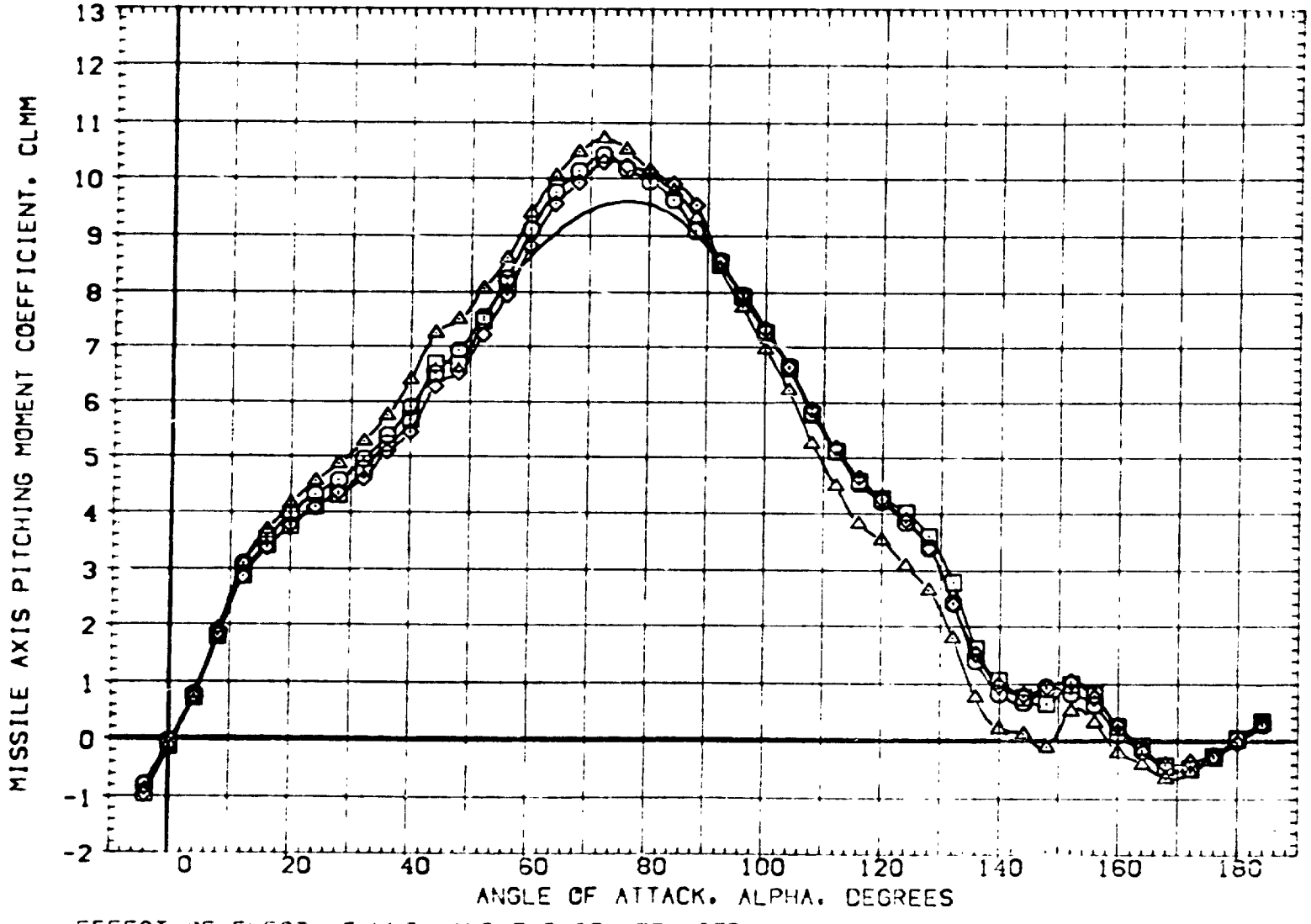
EFFECT OF ELECT. TUNNEL AND THRUST ATT. STRUCT. ANGULAR POSITION (RN/L= MAX)

(A)MACH = 2.00

DATA SET	Sy	CONFIGURATION DESCRIPTION
(SGE101)	□	LEWIS T-035 142-IN SRB
(SGE109)	◇	LEWIS T-035 SA6F 142-IN SRB
(SGE113)	△	LEWIS T-035 SA6F 142-IN SRB
(SGE117)	⊥	LEWIS T-035 SA6F 142-IN SRB

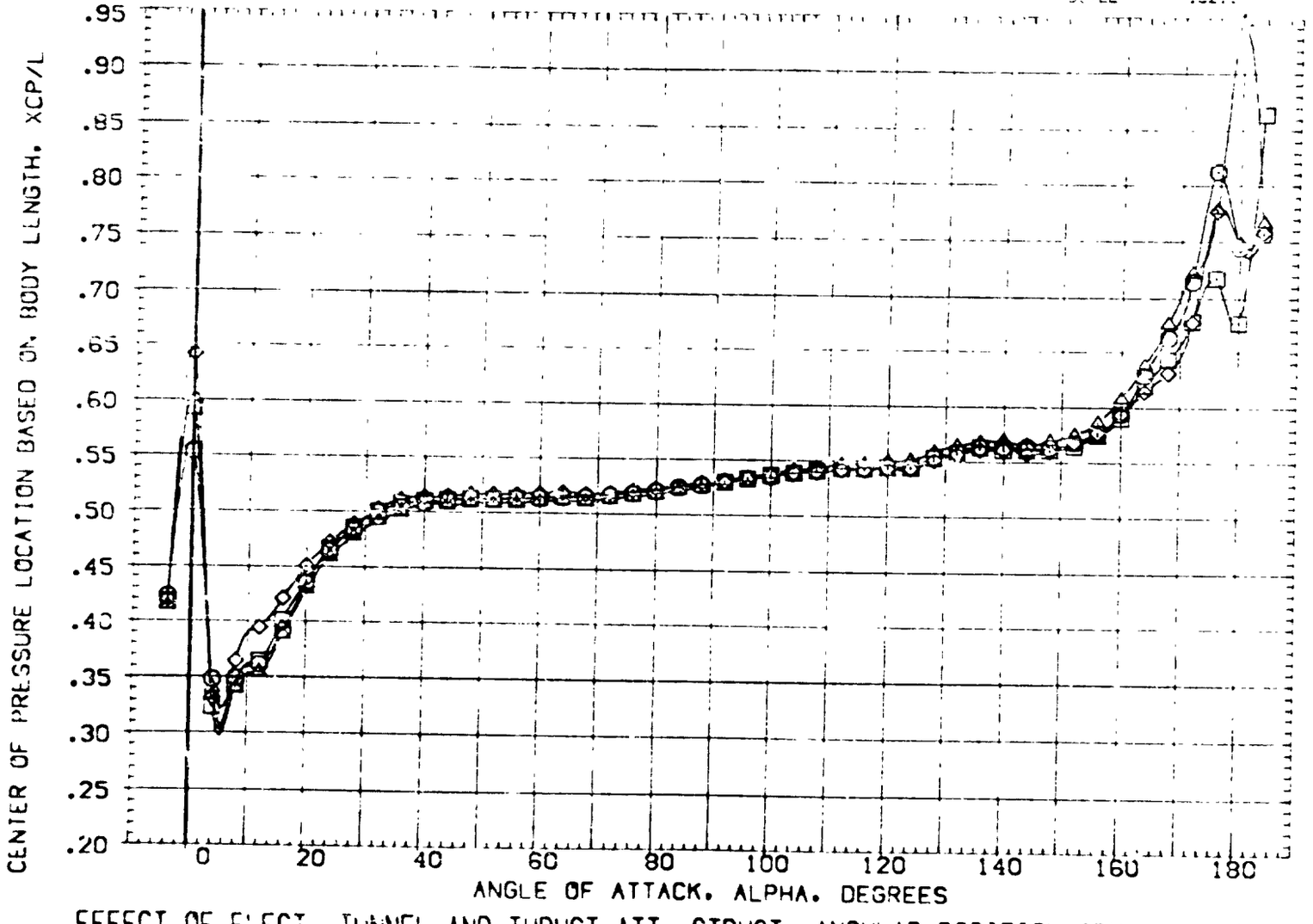
PHI	BETA	ATTRNG	ELETUN
.000	.000	1.000	.000
45.000	.000	1.000	1.000
90.000	.000	1.000	1.000
135.000	.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.	SQ.IN.
LREF	3.	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.	IN.
SCALE	.0211	



EFFECT OF ELECT. TUNNEL AND THRUST ATT. STRUCT. ANGULAR POSITION (RN/L= MAX)

(B)MACH = 2.70

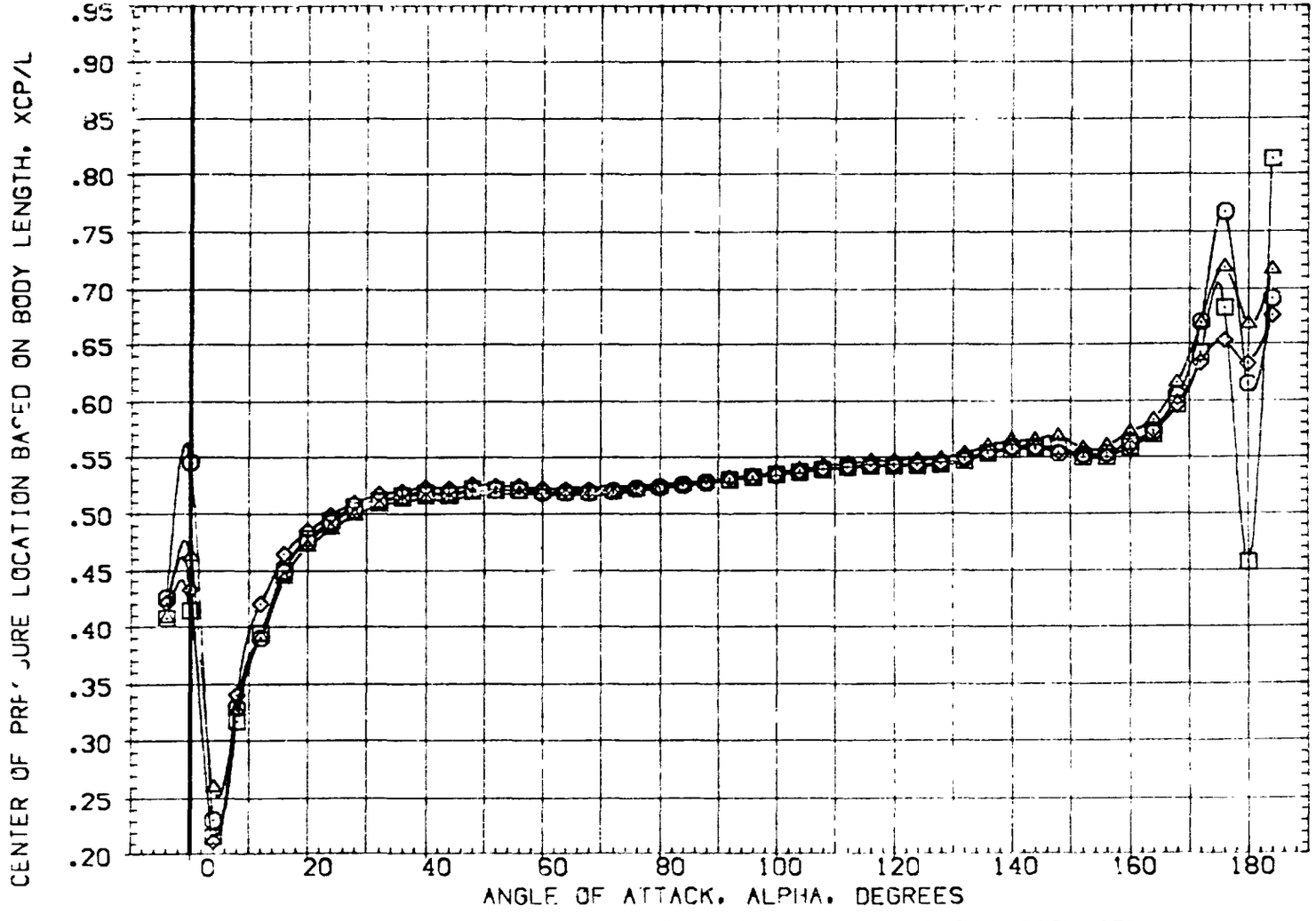


EFFECT OF ELECT. TUNNEL AND THRUST ATT. STRUCT. ANGULAR POSITION (RN/L= MAX)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ELSTUN
(GGE101)	□	LEWIS T-035 SA6F 142-IN SRB	.000	.000	1.000	.000
(GGE109)	◇	LEWIS T-035 SA6F 142-IN SRB	45.000	.000	1.000	1.000
(GGE113)	⊠	LEWIS T-035 SA6F 142-IN SRB	30.000	.000	1.000	1.000
(GGE117)	△	LEWIS T-035 SA6F 142-IN SRB	135.000	.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



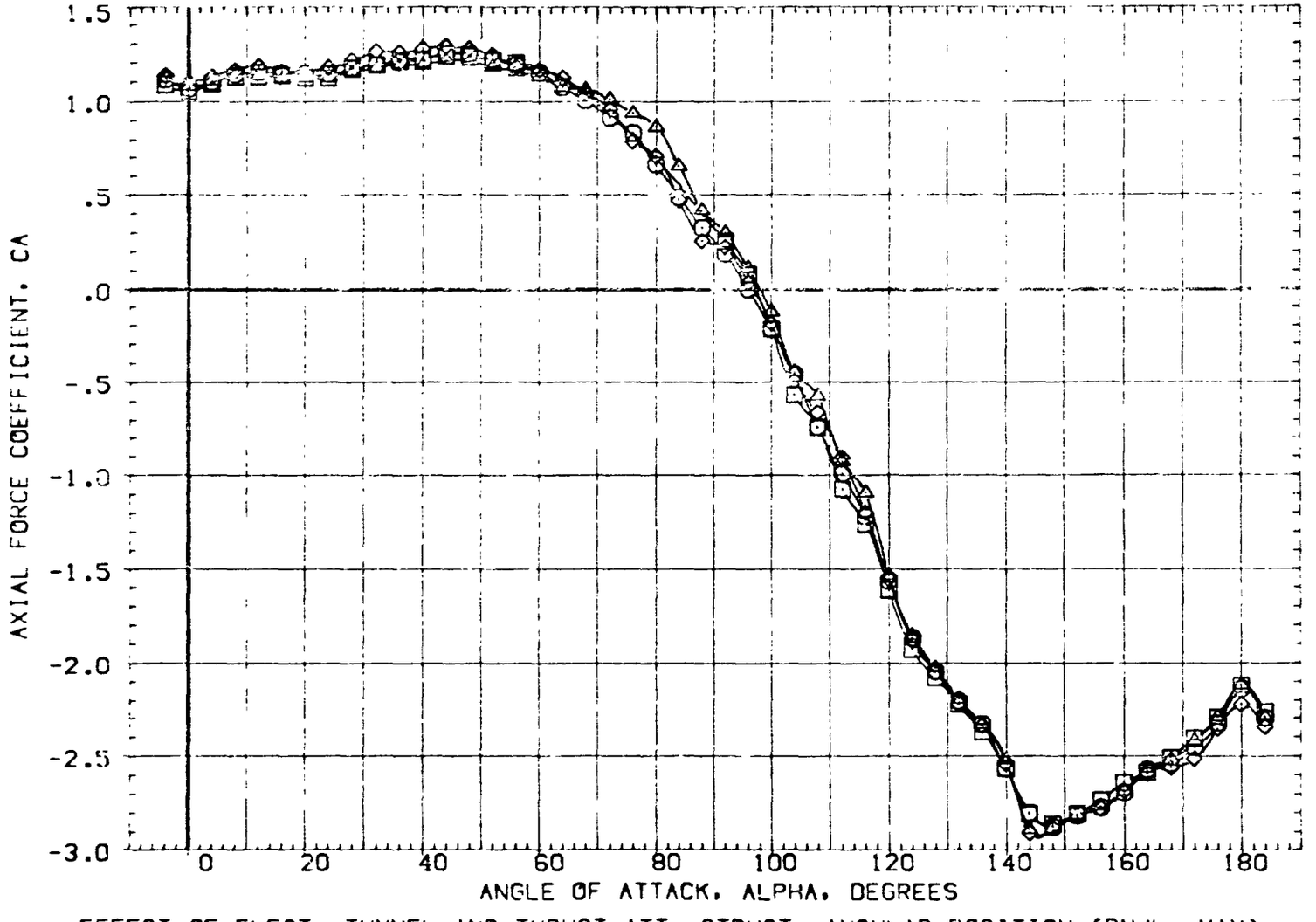
EFFECT OF ELECT. TUNNEL AND THRUST ATT. STRUCT. ANGULAR POSITION (RN/L= MAX)

(B)MACH = 2.70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(36610.)	□	LEWIS T-035 SASF 142-IN SRB
(36610.09)	◇	LEWIS T-035 SASF 142-IN SRB
(36610.13)	△	LEWIS T-035 SASF 142-IN SRB
(36610.17)	○	LEWIS T-035 SASF 142-IN SRB

PHI	BETA	ATTRNG	ELETUN
.000	.000	1.000	.000
45.000	.000	1.000	1.000
90.000	.000	1.000	1.000
135.000	.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0390	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.021	



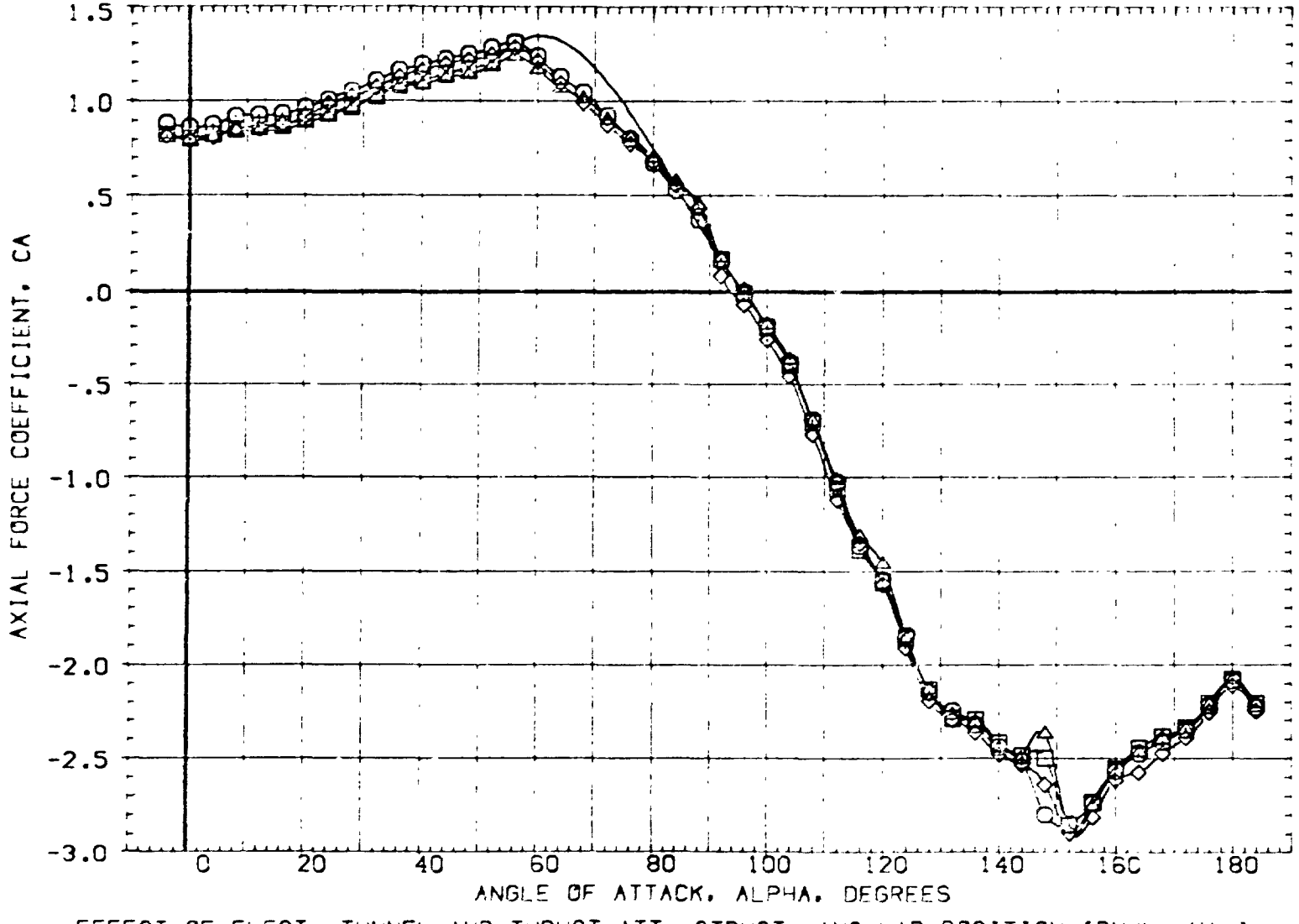
EFFECT OF ELECT. TUNNEL AND THRUST ATT. STRUCT. ANGULAR POSITION (RN/L= MAX)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[illegible]	○	LEWIS T-035 SA6F 142-IN SPN
[illegible]	□	LEWIS T-035 SA6F 142-IN SPN
[illegible]	△	LEWIS T-035 SA6F 142-IN SPN
[illegible]	◇	LEWIS T-035 SA6F 142-IN SPN

PHI	BETA	ATTRNS	ELETUN
.000	.000	1.000	.000
45.000	.000	1.000	1.000
90.000	.000	1.000	1.000
135.000	.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



EFFECT OF ELECT. TUNNEL AND THRUST ATT. STRUCT. ANGULAR POSITION (RN/L= MA)

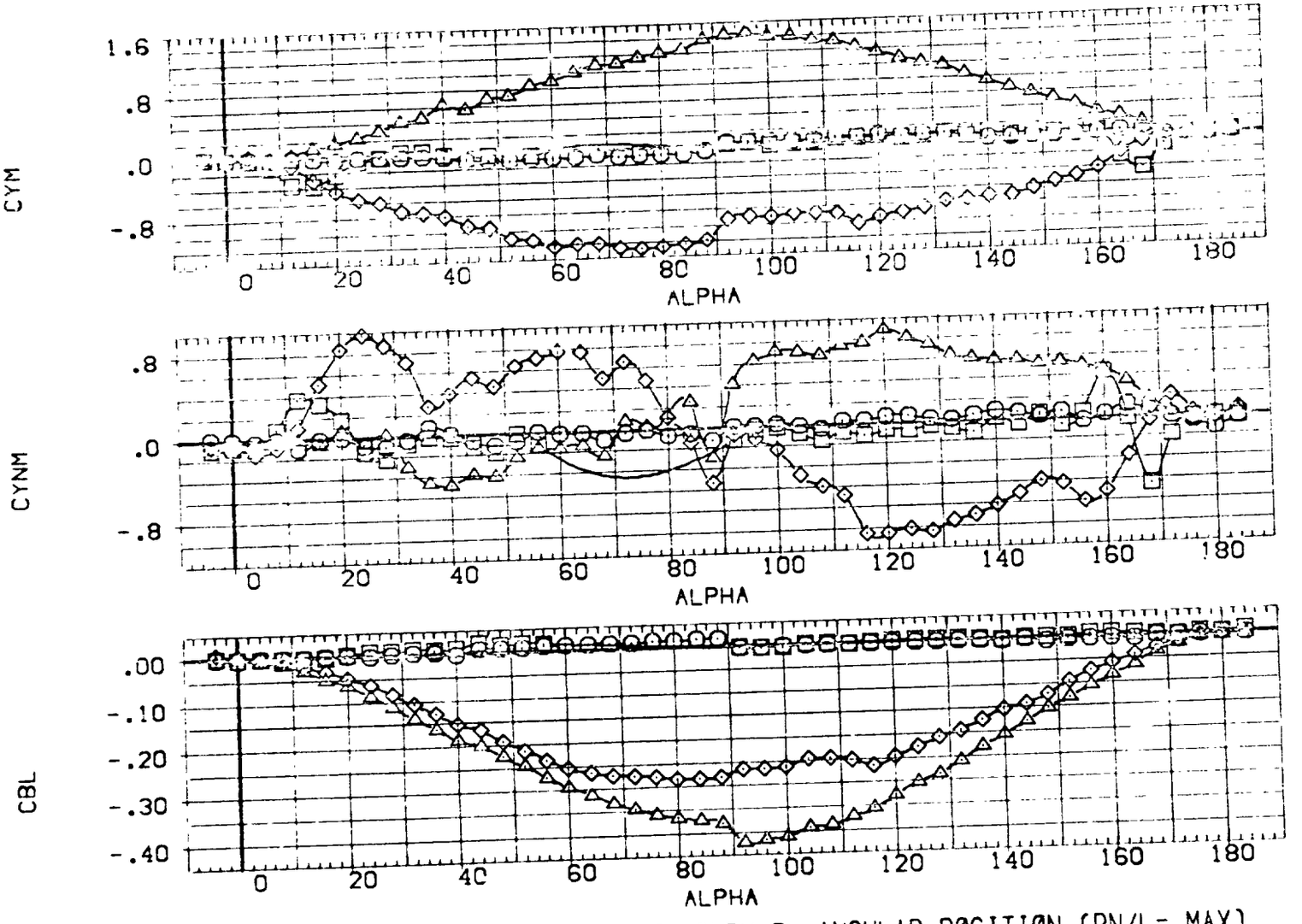
(B)MACH = 2.70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[illegible]	□	LEWIS T-035 SA6F 142-IN SRB
[illegible]	◇	LEWIS T-035 SA6F 142-IN SRB
[illegible]	△	LEWIS T-035 SA6F 142-IN SRB
[illegible]	⧖	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTPNG	ELETUN
.000	.000	1.000	.000
45.000	.000	1.000	1.000
90.000	.000	1.000	1.000
135.000	.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0650	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMSS	20.8340	IN.
YMSS	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



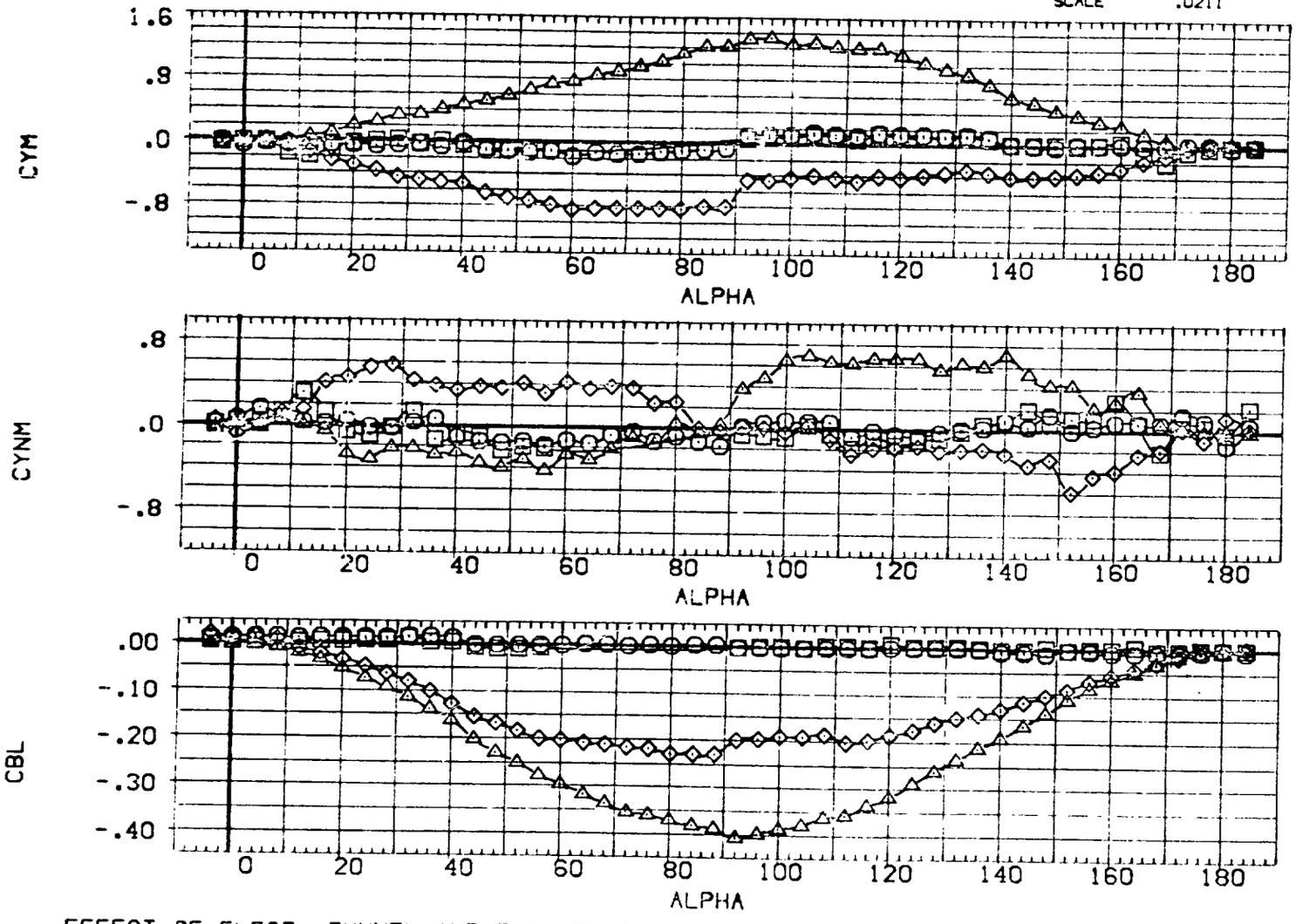
EFFECT OF ELECT. TUNNEL AND THRUST ATT. STRUCT. ANGULAR POSITION (RN/L= MAX)

(A)MACH = 2.00

DATA SET SY		CONFIGURATION DESCRIPTION
(GGE101)	□	LEWIS T-035 SA6F 142-IN
(GGE109)	◇	LEWIS T-035 SA6F 142-IN SRB
(GGE113)	⊠	LEWIS T-035 SA6F 142-IN SRB
(GGE117)	△	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTRNG	ELETUN
.	.	1.000	.000
45.000	.000	1.000	1.000
90.000	.000	1.000	1.000
135.000	.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.	SQ.IN.
LREF	3.	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



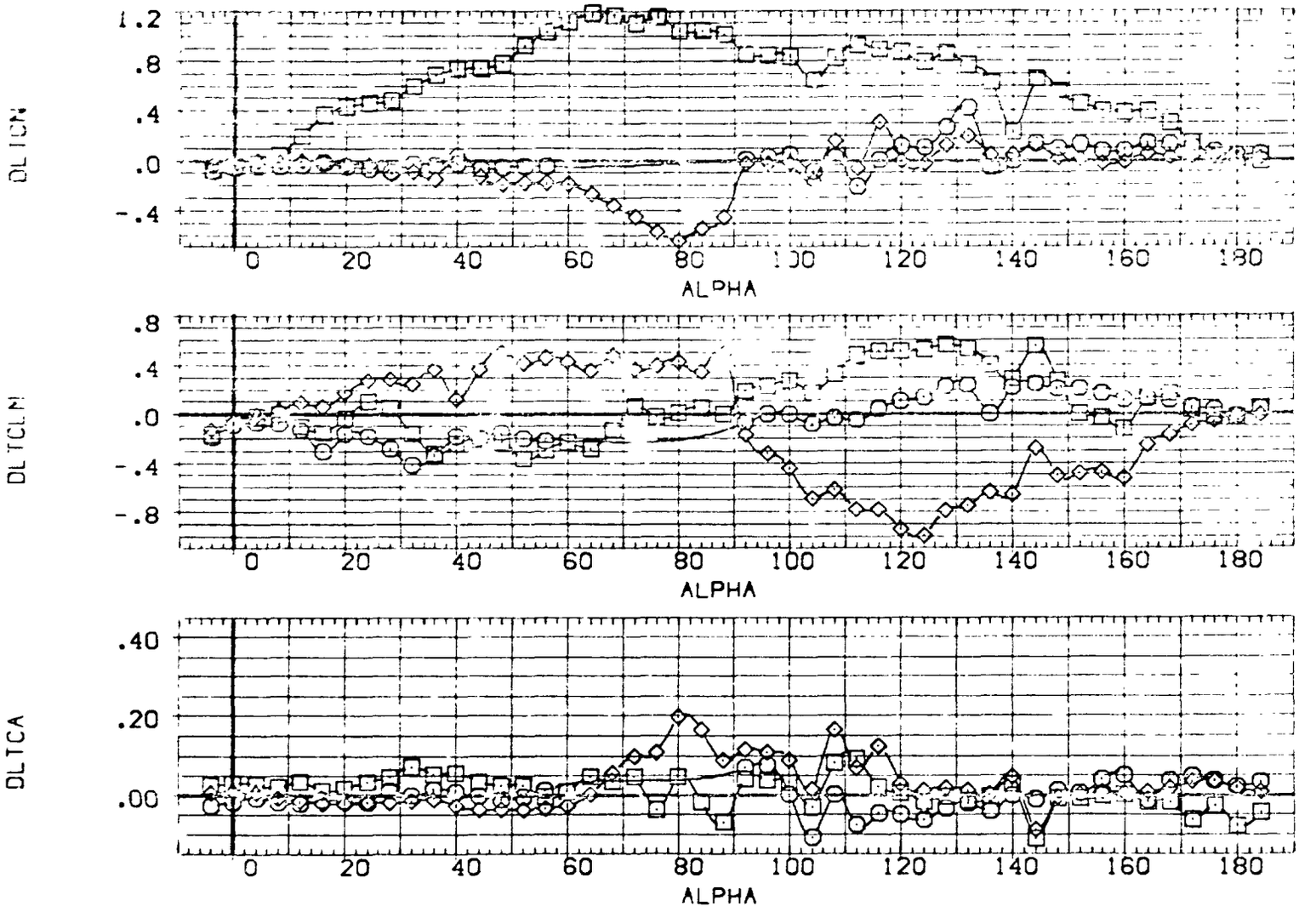
EFFECT OF ELECT. TUNNEL AND THRUST ATT. STRUCT. ANGULAR POSITION (RN/L= MAX)

(B)MACH = 2.70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[illegible]		LEWIS T-035 SASF 142-IN SPB
[illegible]		LEWIS T-035 SASF 142-IN SPB
[illegible]		LEWIS T-035 SASF 142-IN SPB

PHI	BETA	ATTRNG	ELETUN
45.000	.000	1.000	1.000
90.000	.000	1.000	1.000
135.000	.000	1.000	1.000

REFERENCE INFORMATION		
XREF	7.0000	SQ.IN.
ZREF	3.0000	
BREF	3.0000	
XMRP	20.8340	
YMRP	.0000	
ZMRP	.0000	
SCALE	.0211	

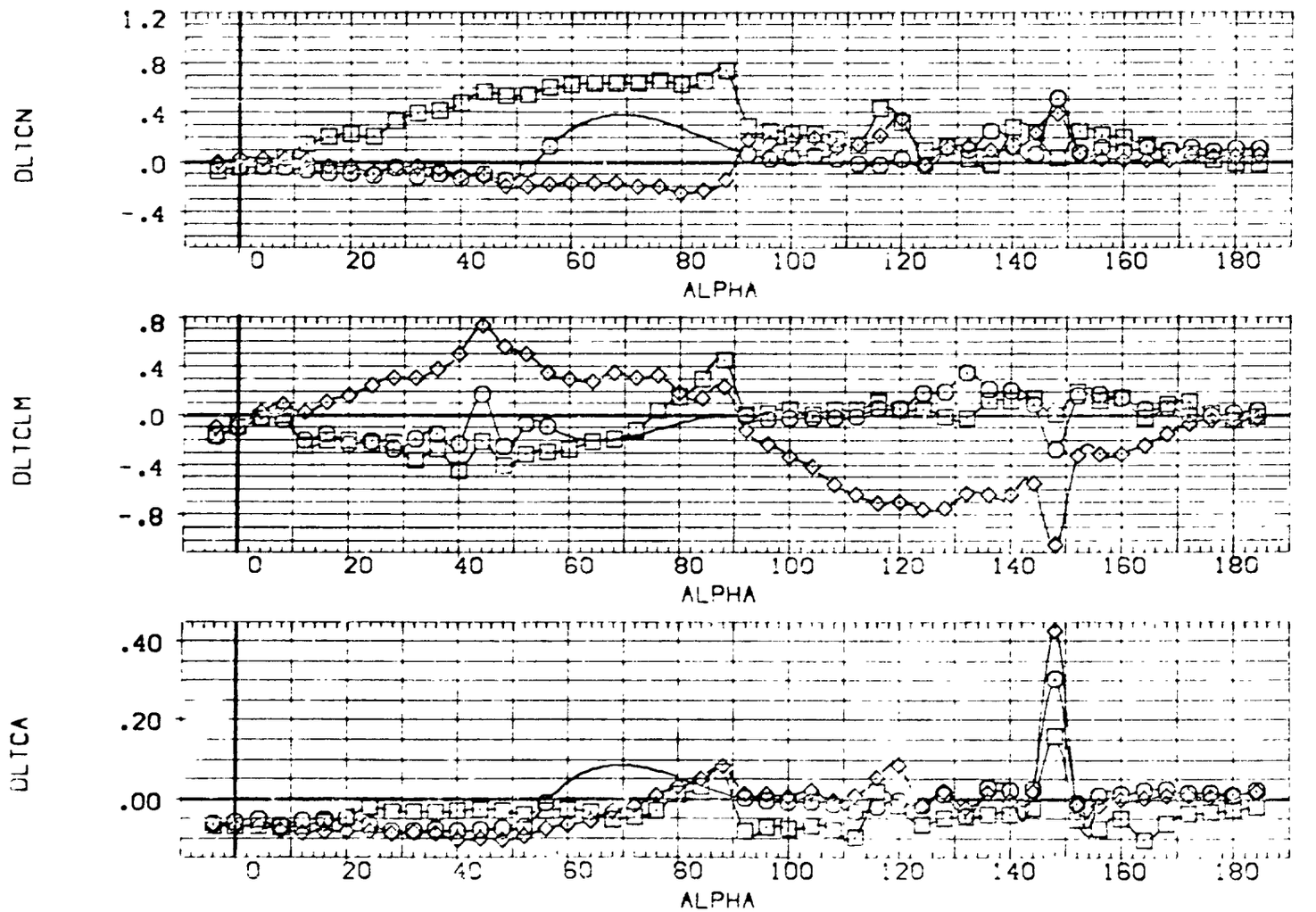


INCREMENTAL EFFECTS OF ELECT. TUNNEL AND THRUST ATT. STRUCT ANGULAR POSITION

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ELETUN
(EGE109)	□	LEWIS T-035 SA6F 142-IN SRB	45.000	.000	1.000	1.000
(EGE113)	○	LEWIS T-035 SA6F 142-IN SRB	90.000	.000	1.000	1.000
(EGE117)	◇	LEWIS T-035 SA6F 142-IN SRB	135.000	.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



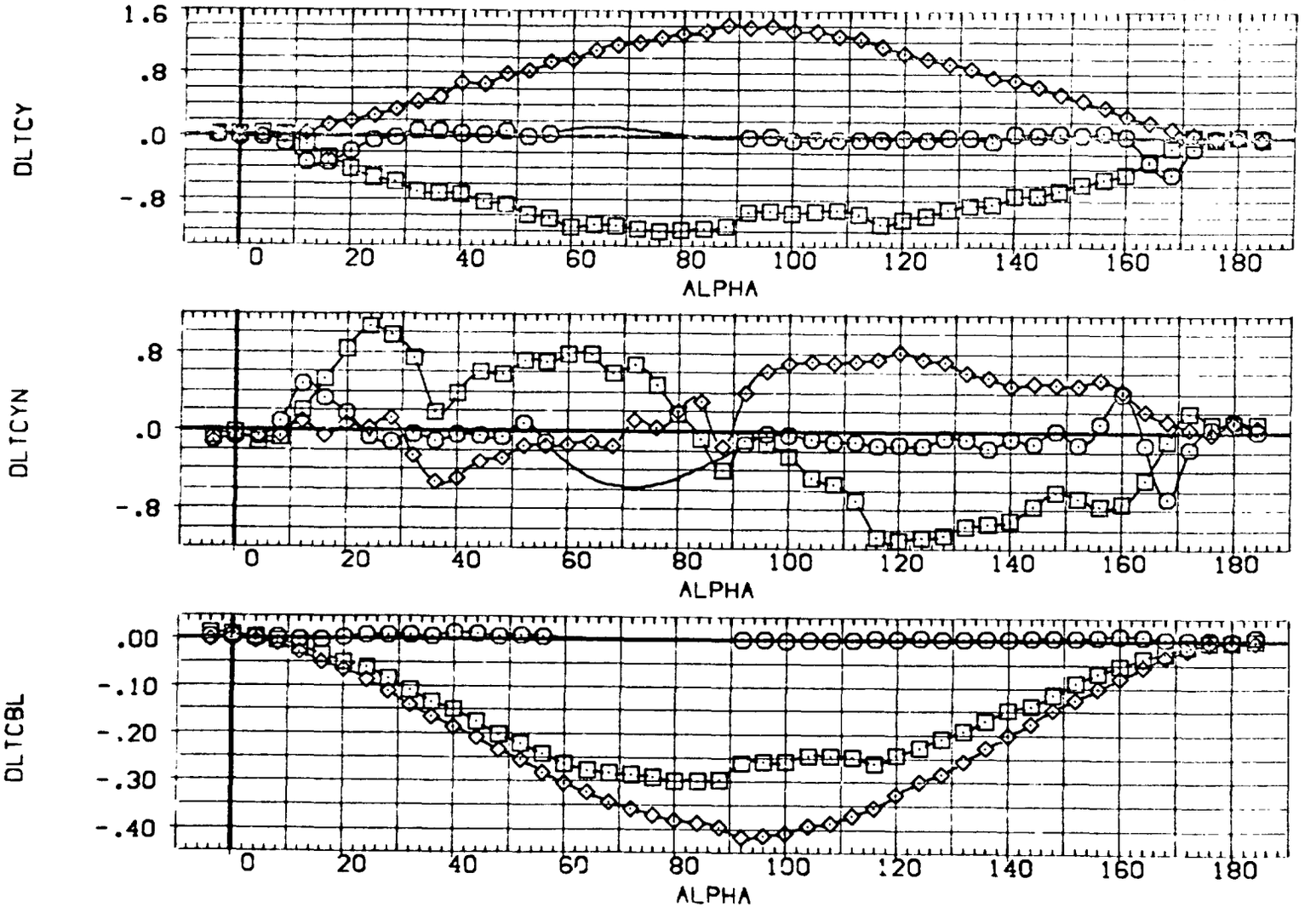
INCREMENTAL EFFECTS OF ELECT. TUNNEL AND THRUST ATT. STRUCT ANGULAR POSITION

(B)MACH = 2.70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(EGE109)	◻	LEWIS T-035 SA6F 142-IN SRB
(EGE113)	◇	LEWIS T-035 SA6F 142-IN SRB
(EGE117)	◇	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTPNS	ELETUN
45.000	.000	1.000	1.000
90.000	.000	1.000	1.000
135.000	.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.021	



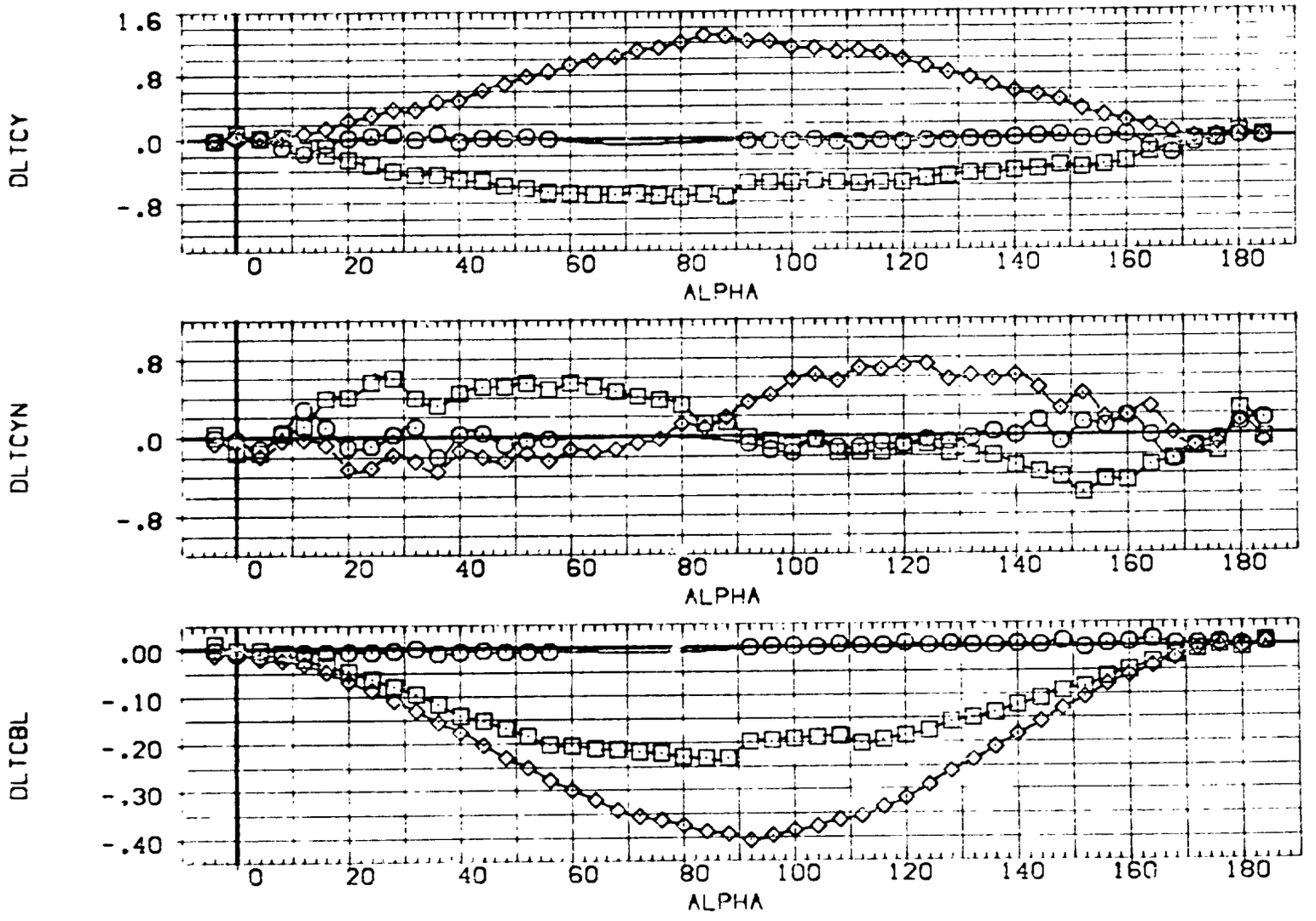
INCREMENTAL EFFECTS OF ELECT. TUNNEL AND THRUST ATT. STRUCT ANGULAR POSITION

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(EGK109)	□	LEWIS T-035 SA6F 142-IN SRB
(EGK113)	○	LEWIS T-035 SA6F 142-IN SRB
(EGK117)	◇	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTRNG	ELETUN
45.000	.000	1.000	1.000
90.000	.000	1.000	1.000
135.000	.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.021	



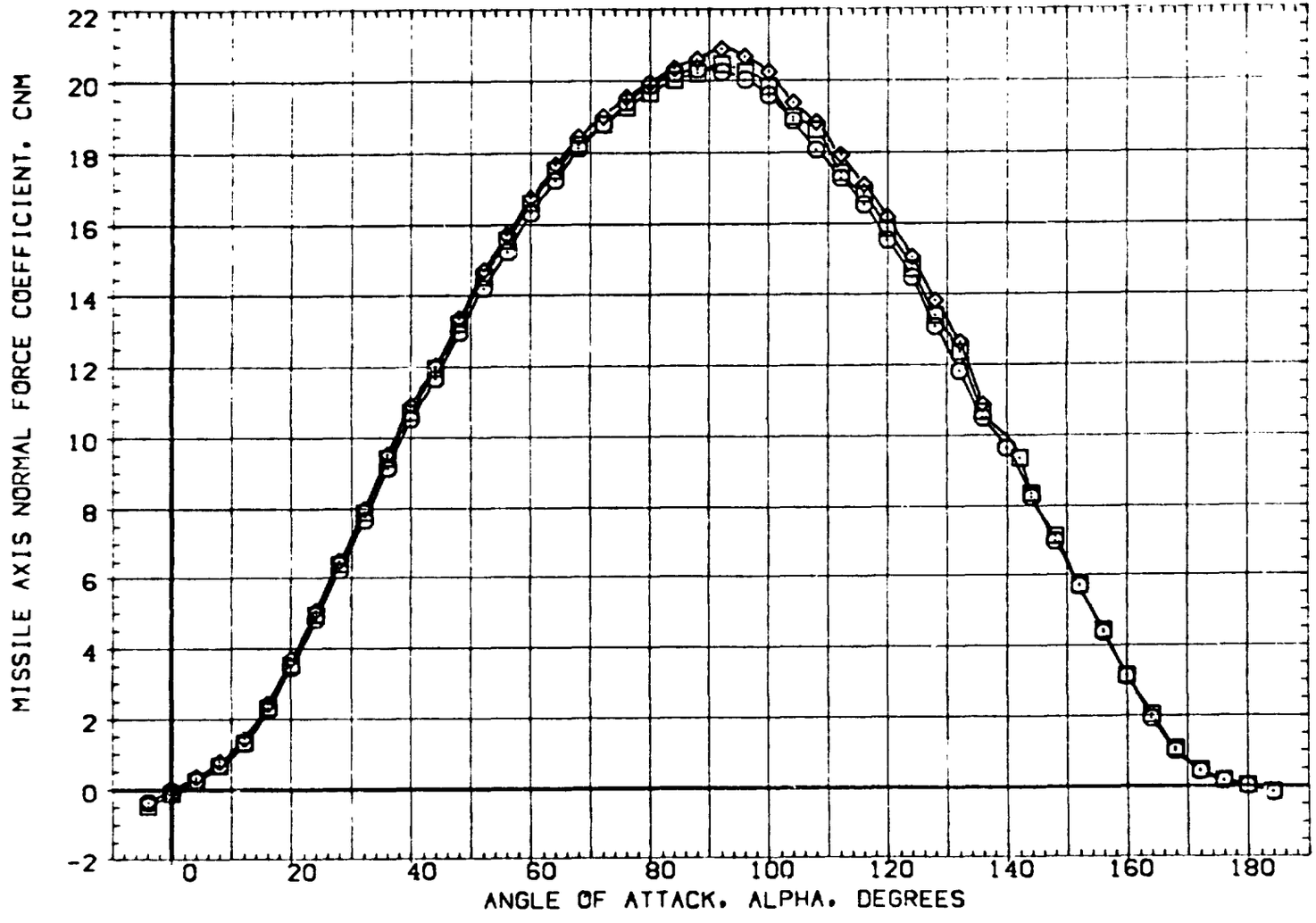
INCREMENTAL EFFECTS OF ELECT. TUNNEL AND THRUST ATT. STRUCT ANGULAR POSITION

(B)MACH = 2.70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(GGE101)	□	LEWIS T-035 SA6F 142-IN SRB
(GGE119)	○	LEWIS T-035 SA6F 142-IN SRB
(GGE125)	◇	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTKNG	ENGSTK
.000	.000	1.000	.000
.000	.000	1.000	8.000
22.500	.000	1.000	8.000

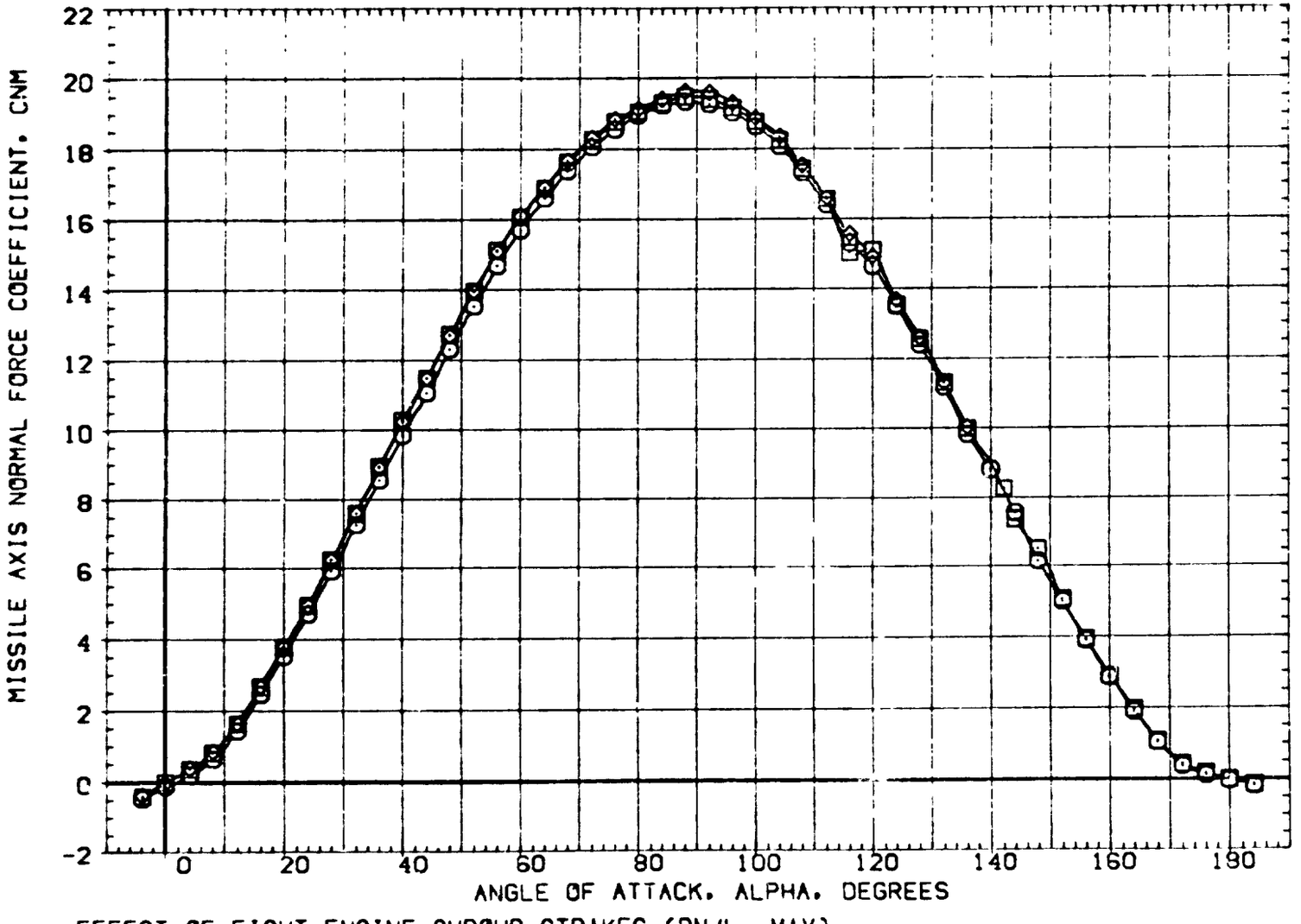
REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.	IN.
SCALE	.0211	



EFFECT OF EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(A)MACH = 2.00

DATA SET S		I TION DE IPTION	PHI	BETA	ATTRNG	ENGSTK	REFERENCE INF	TION
(GGE10:)	□	LEWIS T-035 SA6F 142-IN	.	.000	1.000	.000	SREF 7.	SQ.IN.
(GGE119)	◇	LEWIS T-035 SA6F 142-IN SRB	.000	.000	1.000	8.000	LREF 3.	IN.
(GGE125)	△	LEWIS T-035 SA6F 142-IN SRB	22.500	.000	1.000	8.000	BREF 3.0000	IN.
							XMRP 20.8340	IN.
							YMRP .0000	IN.
							ZMRP .0000	IN.
							SCALE .0211	



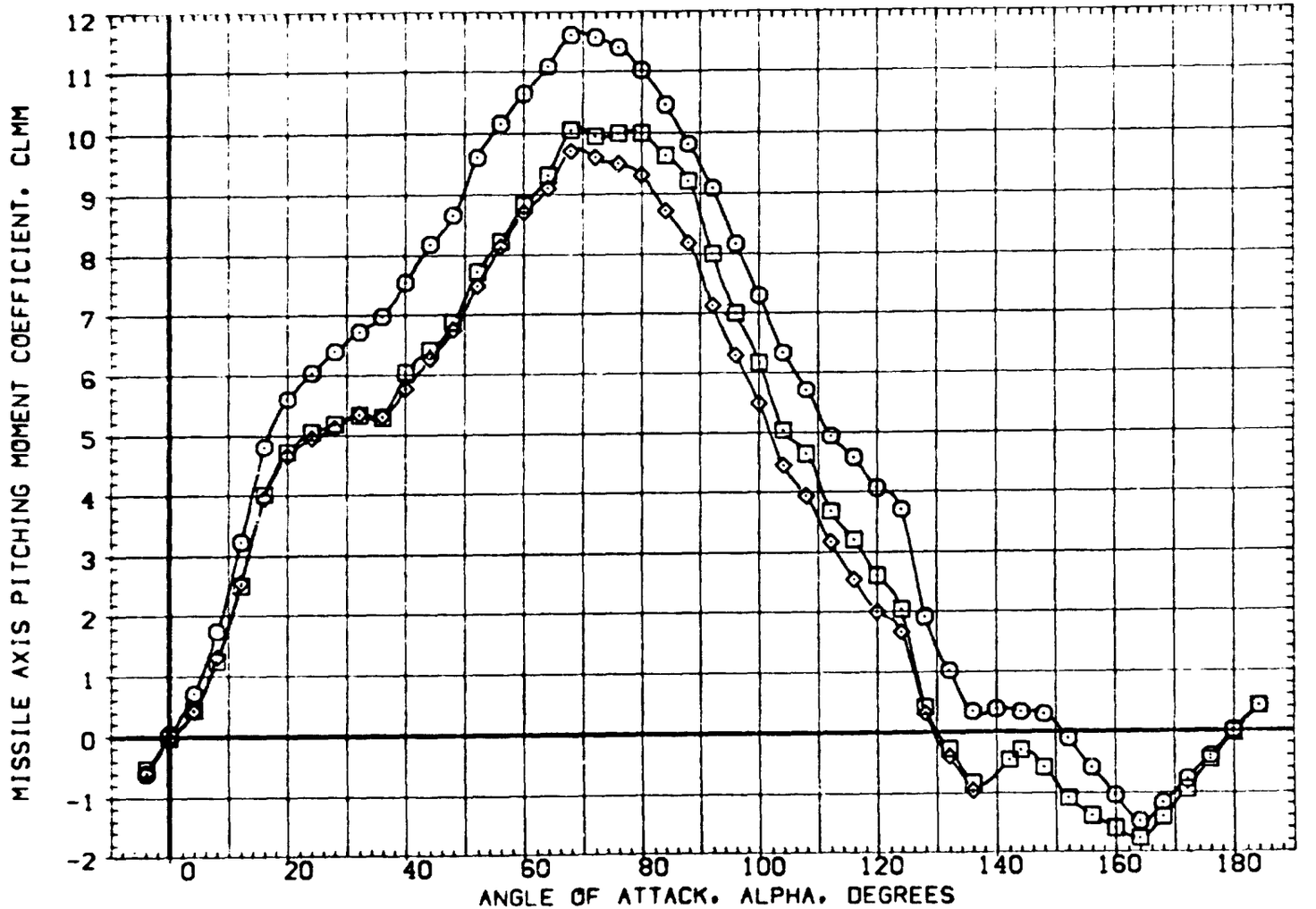
EFFECT OF EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(B)MACH = 2.70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(66E10:)	LEWIS T-035 SA6F 142-IN SRB
(66E119)	LEWIS T-035 SA6F 142-IN SRB
(66E125) ◇	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTPNG	EMOSTK
.000	.000	1.000	.000
.000	.000	1.000	8.000
22.500	.000	1.000	8.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



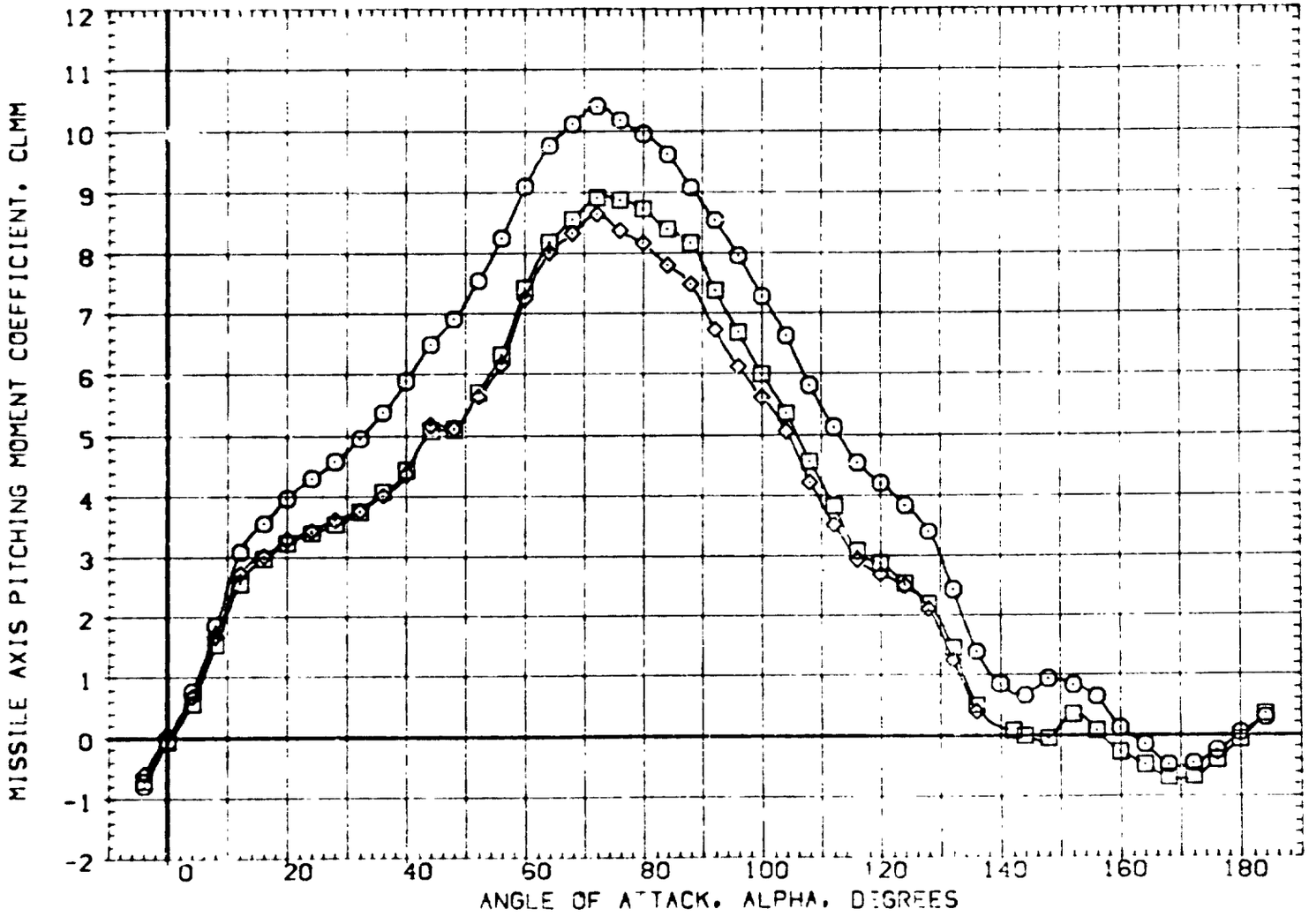
EFFECT OF EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[illegible]		LEWIS T-035 SA6F 142-IN SRB
[illegible]		LEWIS T-035 SA6F 142-IN SRB
[illegible]		LEWIS T-035 SA6F 142-IN SRB

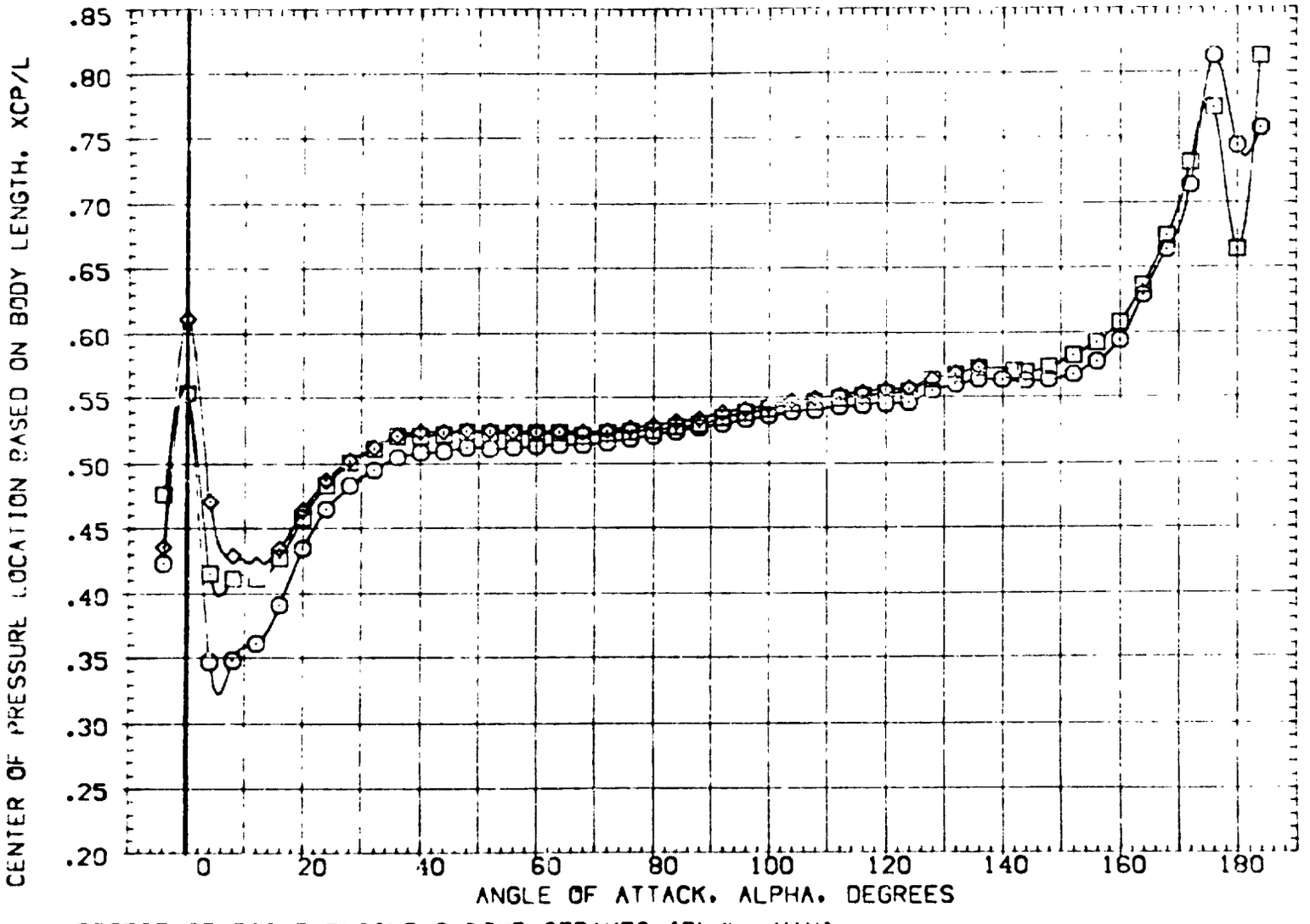
PHI	BETA	ATTRNG	ENGSTK
.000	.000	1.000	.000
.000	.000	1.000	0.000
22.500	.000	1.000	0.000

REFERENCE INFORMATION		
SREF	7.	SQ.IN.
LREF	3.	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.0000	IN.
SCALE	.0211	



EFFECT OF EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(B)MACH = 2.70

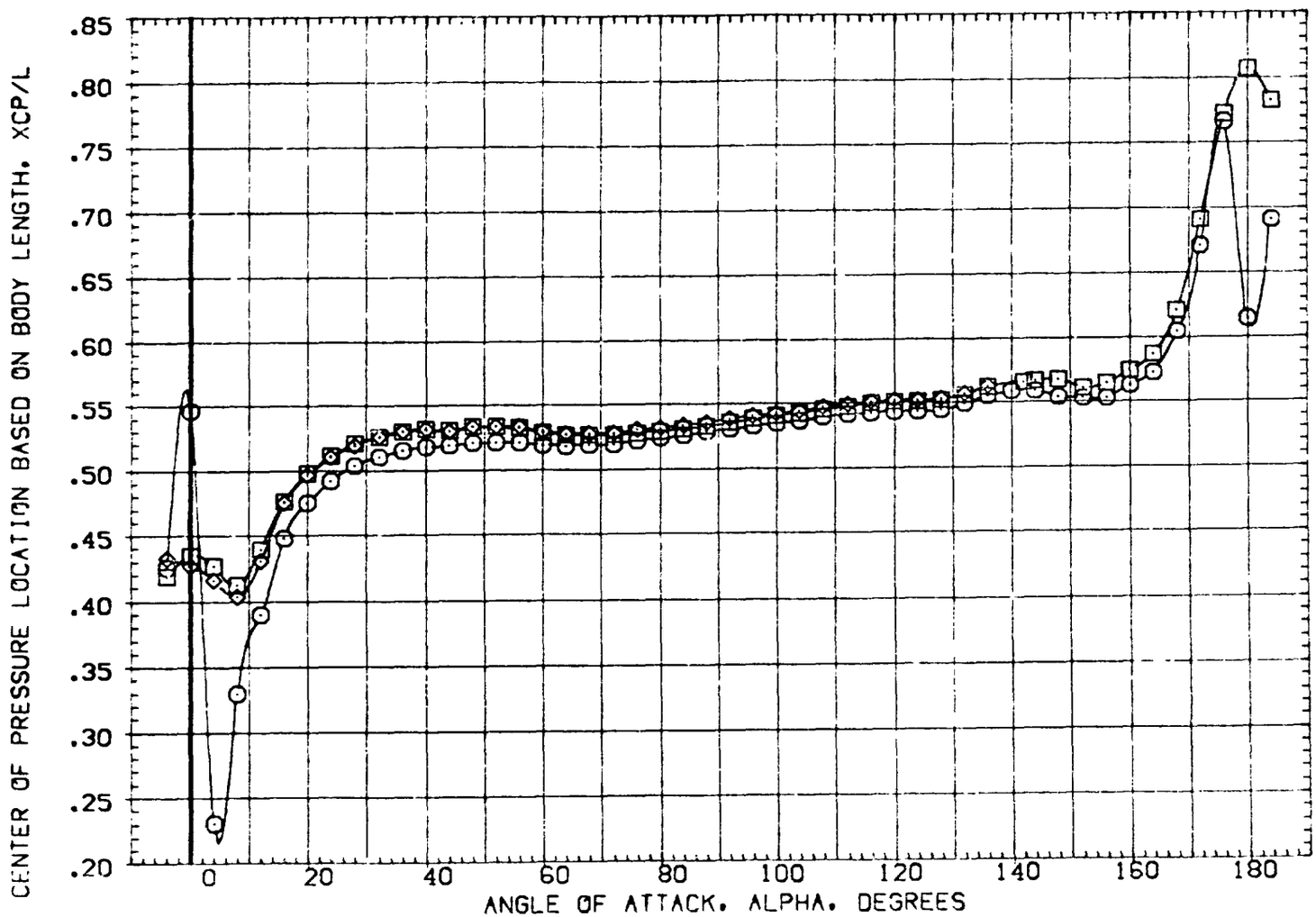


EFFECT OF EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(A)MACH = 2.00

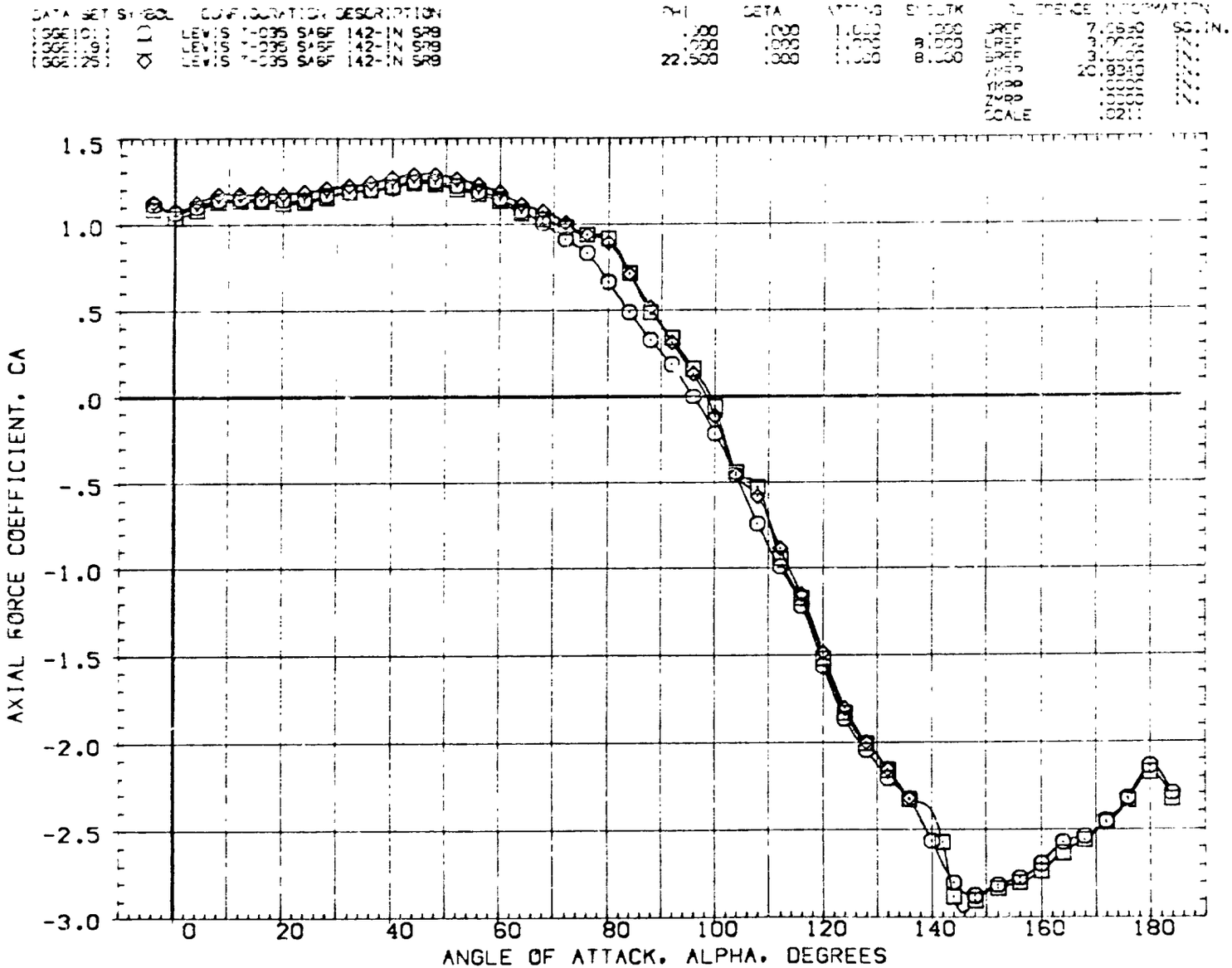
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(GGE101)	○	LEWIS T-035 SA6F 142-IN SRB	.000	.000	1.000	.000
(GGE119)	□	LEWIS T-035 SA6F 142-IN SRB	.000	.000	1.000	8.000
(GGE125)	◇	LEWIS T-035 SA6F 142-IN SRB	22.500	.000	1.000	8.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.	IN.
SCALE	.0211	



EFFECT OF EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(B)MACH = 2.70

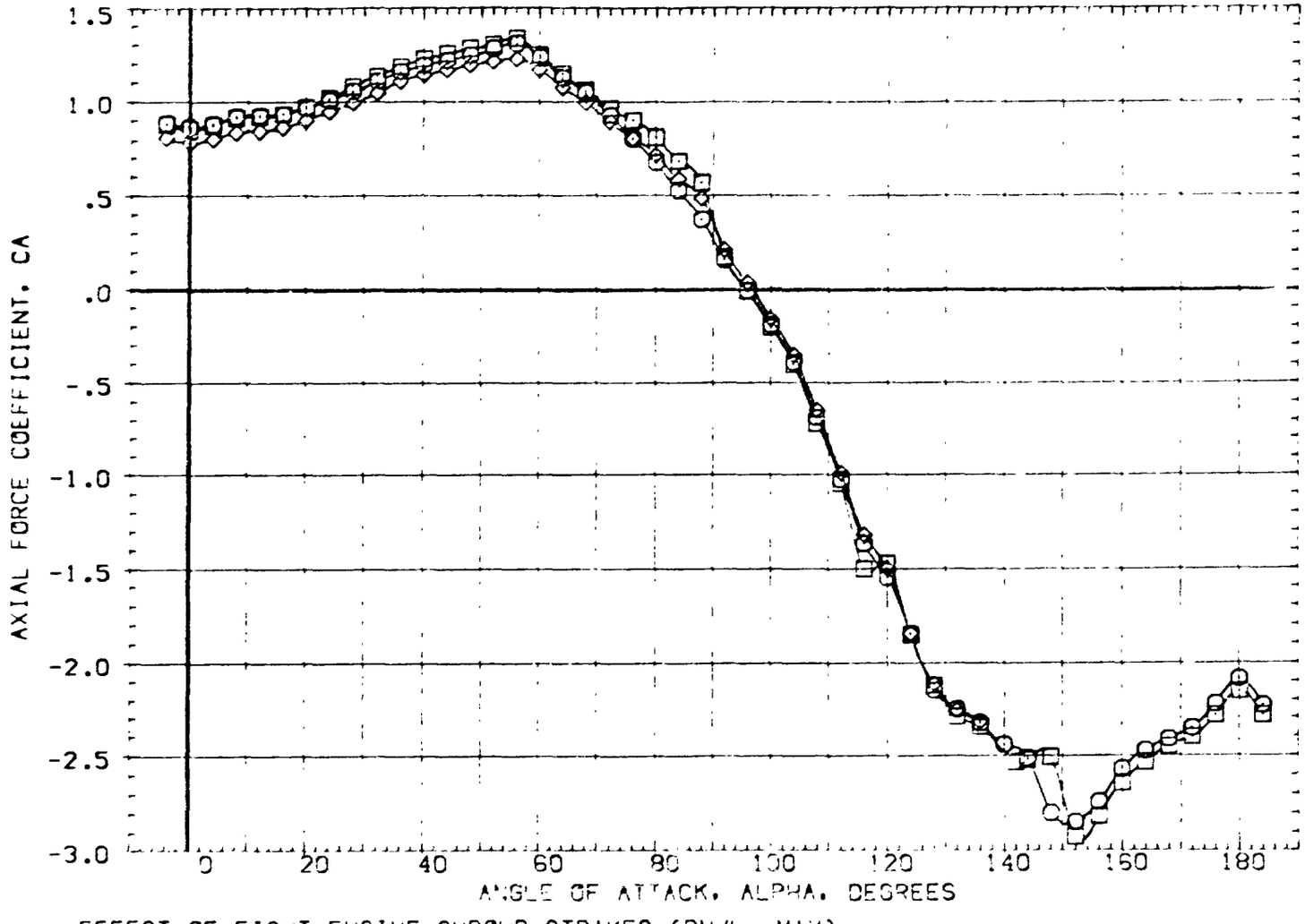


EFFECT OF EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(A)MACH = 2.00

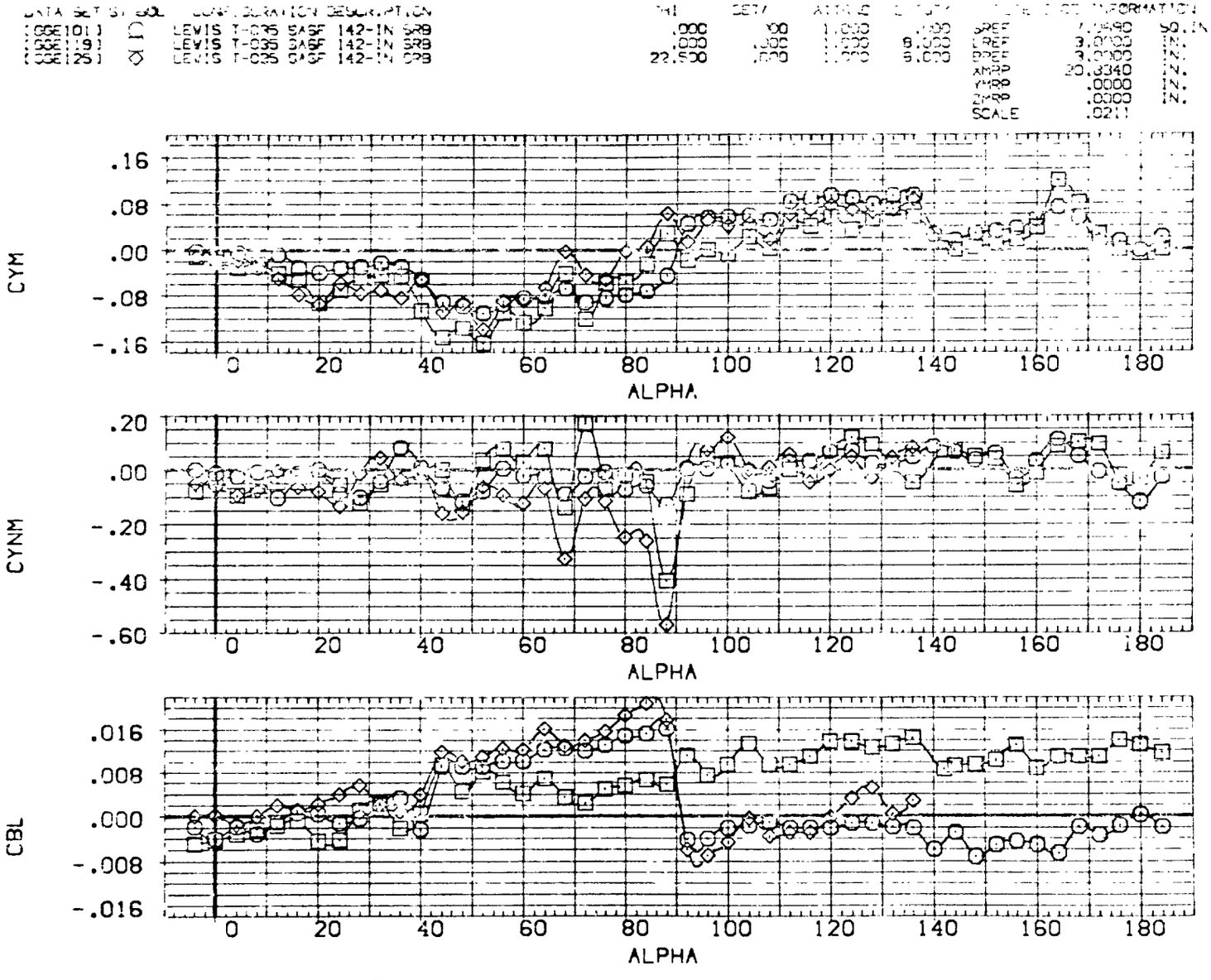
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRIG	ENGSTK
[illegible]		LEWIS T-035 SA6F 142-IN SRB	.000	.000	1.000	.000
[illegible]		LEWIS T-035 SA6F 142-IN SRB	.000	.000	1.000	8.000
[illegible]		LEWIS T-035 SA6F 142-IN SRB	22.500	.000	1.000	8.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.021	



EFFECT OF EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(B)MACH = 2.70



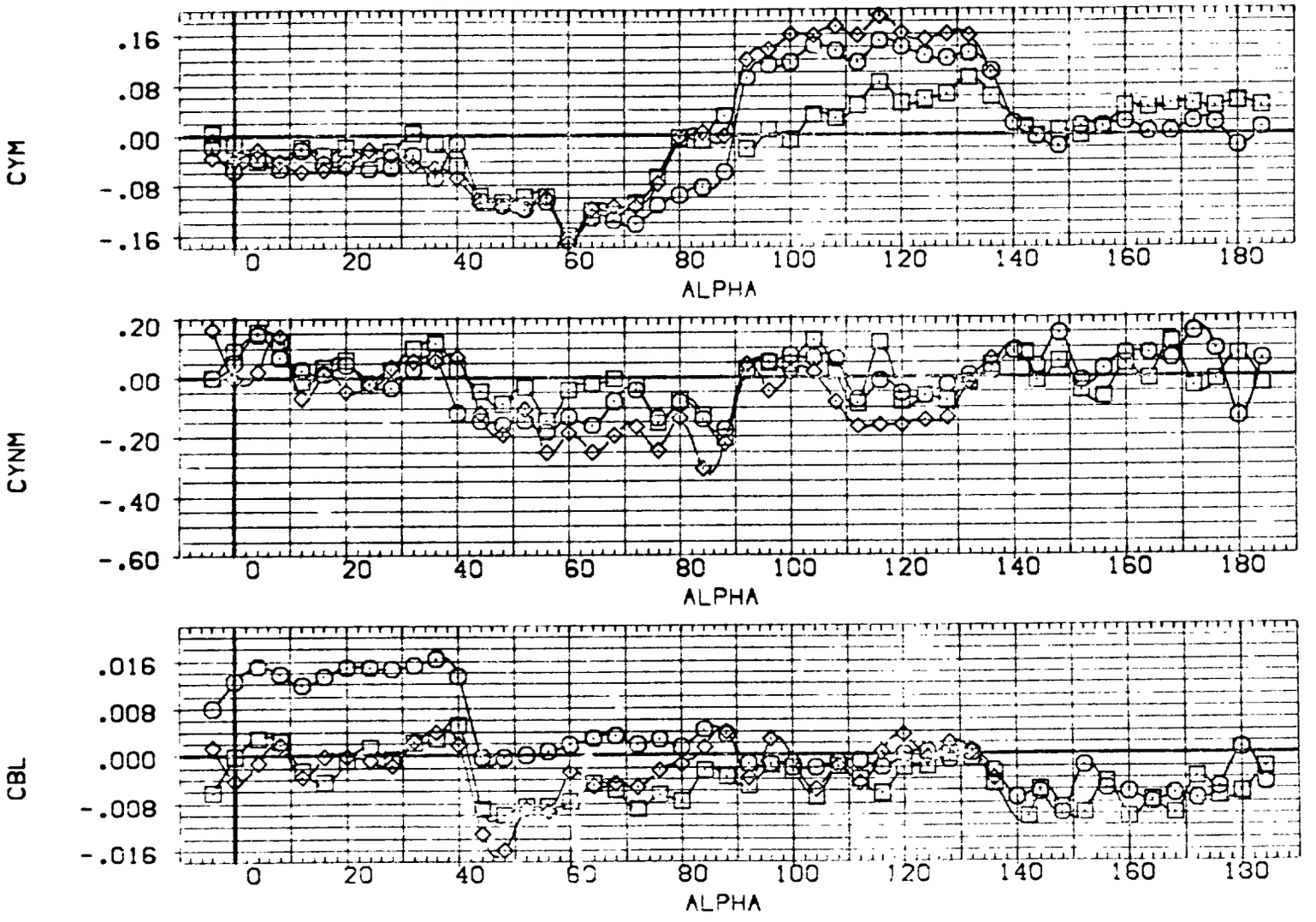
EFFECT OF EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(GGE101)	□	LEWIS T-035 SA6F 142-IN SRB
(GGE119)	◁	LEWIS T-035 SA6F 142-IN SRB
(GGE125)	◇	LEWIS T-035 SA6F 142-IN SRB

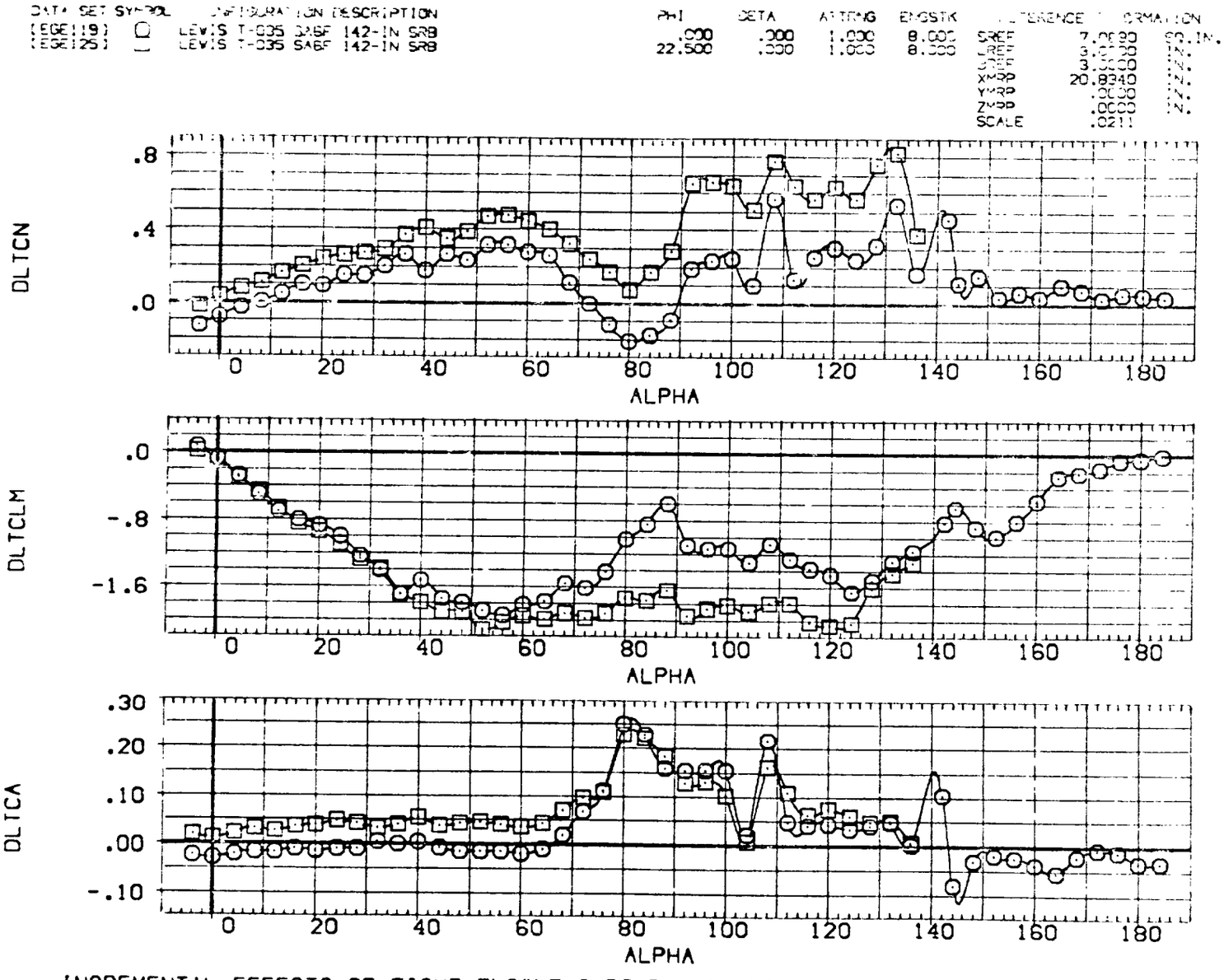
PHI	BETA	ATTRNG	ENGSTK
.000	.000	1.000	.000
.000	.000	1.000	8.000
22.500	.000	1.000	8.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



EFFECT OF EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(B)MACH = 2.70



INCREMENTAL EFFECTS OF EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

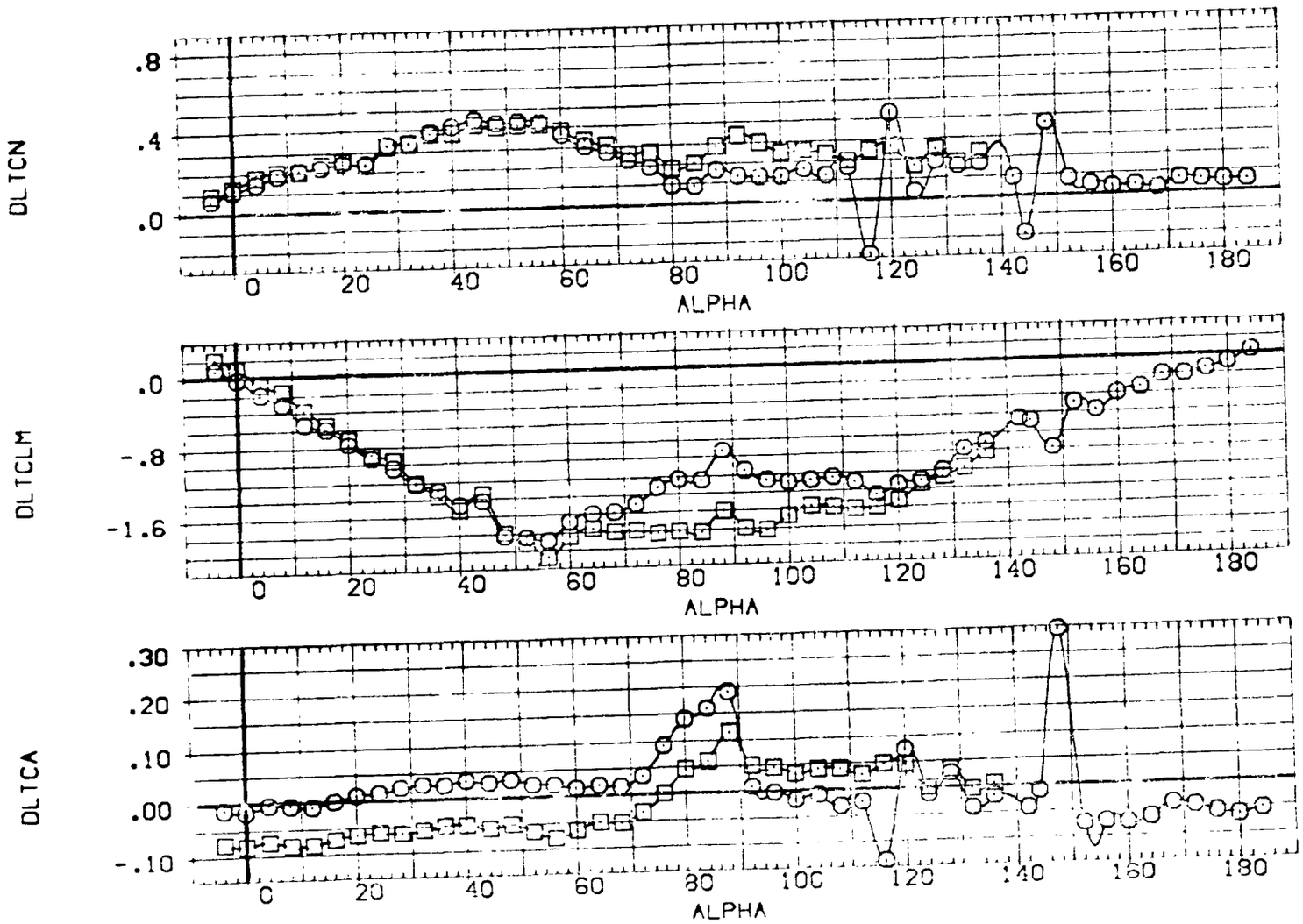
(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(EGE119)	□	LEWIS T-035 SA6F 142-IN SRB
(EGE125)	△	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTRNG	ENGSTK
.000	.000	1.000	8.000
22.500	.000	1.000	8.000

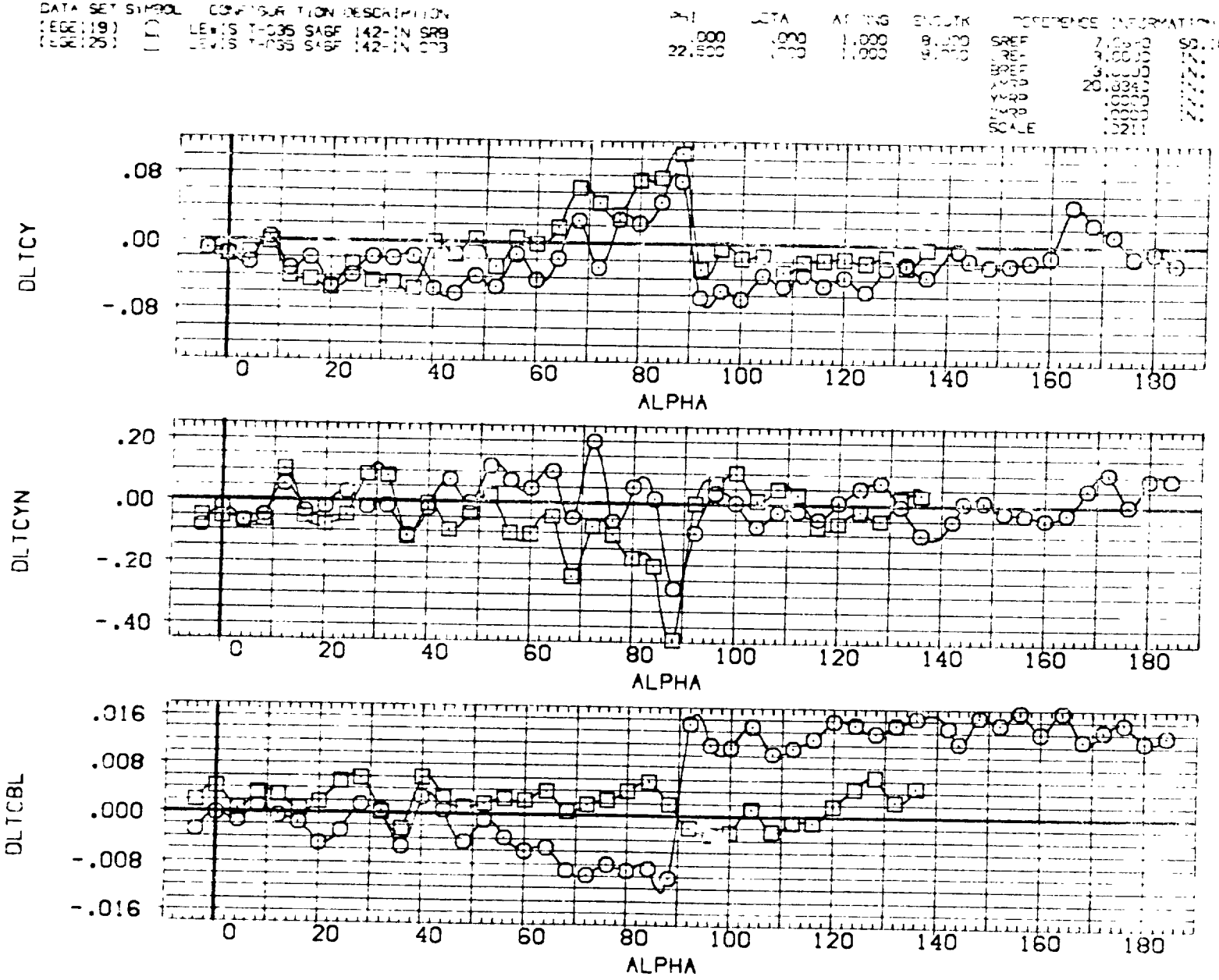
REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



INCREMENTAL EFFECTS OF EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(B)MACH = 2.70

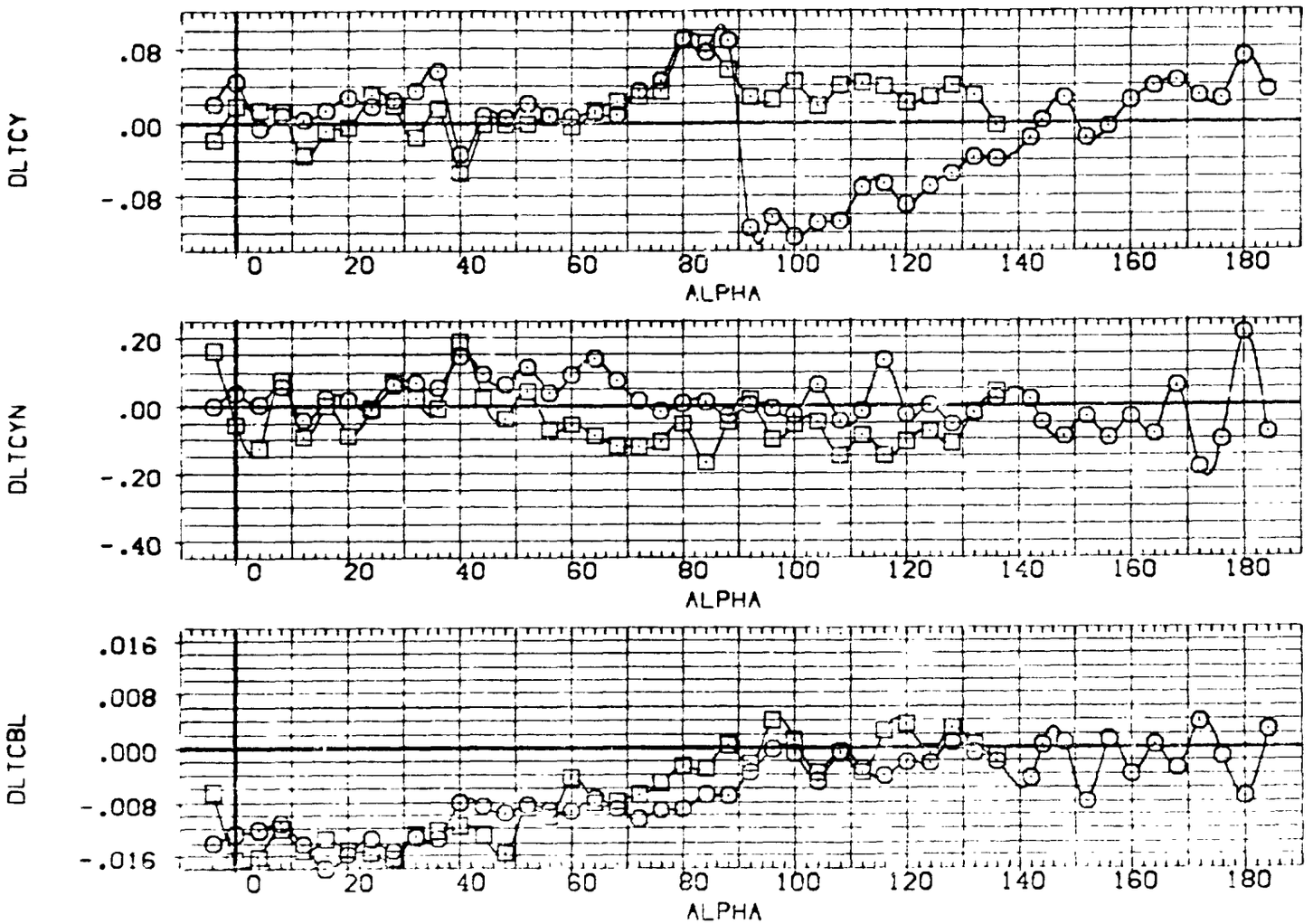


INCREMENTAL EFFECTS OF EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(EGE119)	○	LEWIS T-035 SA6F 142-IN SRB	.000	.000	1.000	8.000
(EGE125)	□	LEWIS T-035 SA6F 142-IN SRB	22.500	.000	1.000	8.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



INCREMENTAL EFFECTS OF EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

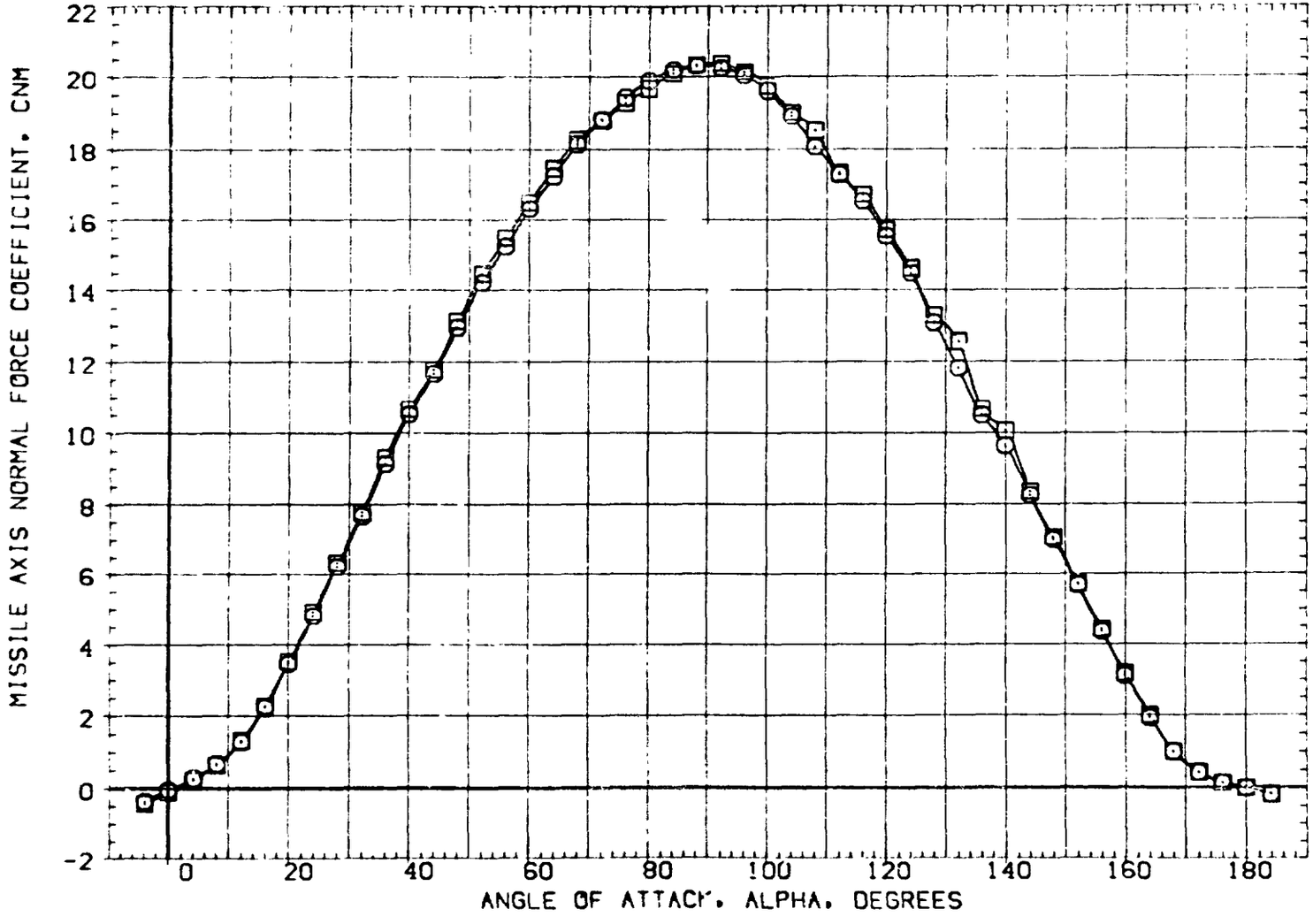
(B)MACH = 2.70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(GGE101)	LEWIS T-035 SAEF 142-IN SRB
(GGE129)	LEWIS T-035 SAEF 142-IN SRB

PHI	BETA	ATTCNG	ENGSTK
.000	.000	1.000	.000
90.000	.000	1.000	2.000

REFERENCE INFORMATION

SREF	7.0390	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.021	



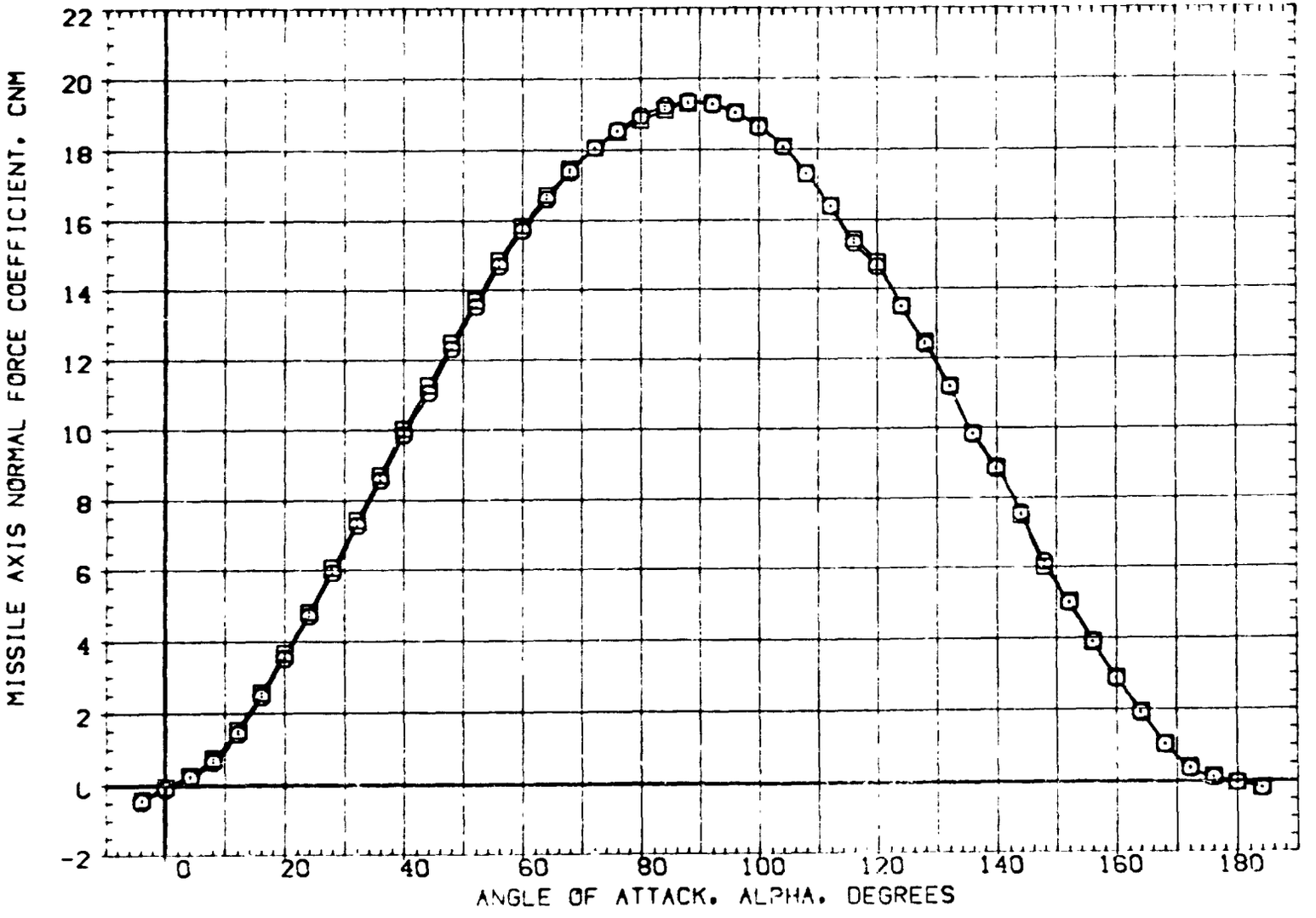
EFFECT OF TWO-ENGINE SHROUD STRAKES (RN/L= MAX)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[GGE:01]	□	LEWIS T-035 SA6F 142-IN SRB
[GGE:29]	□	LEWIS T-035 SA6F 142-IN SRB

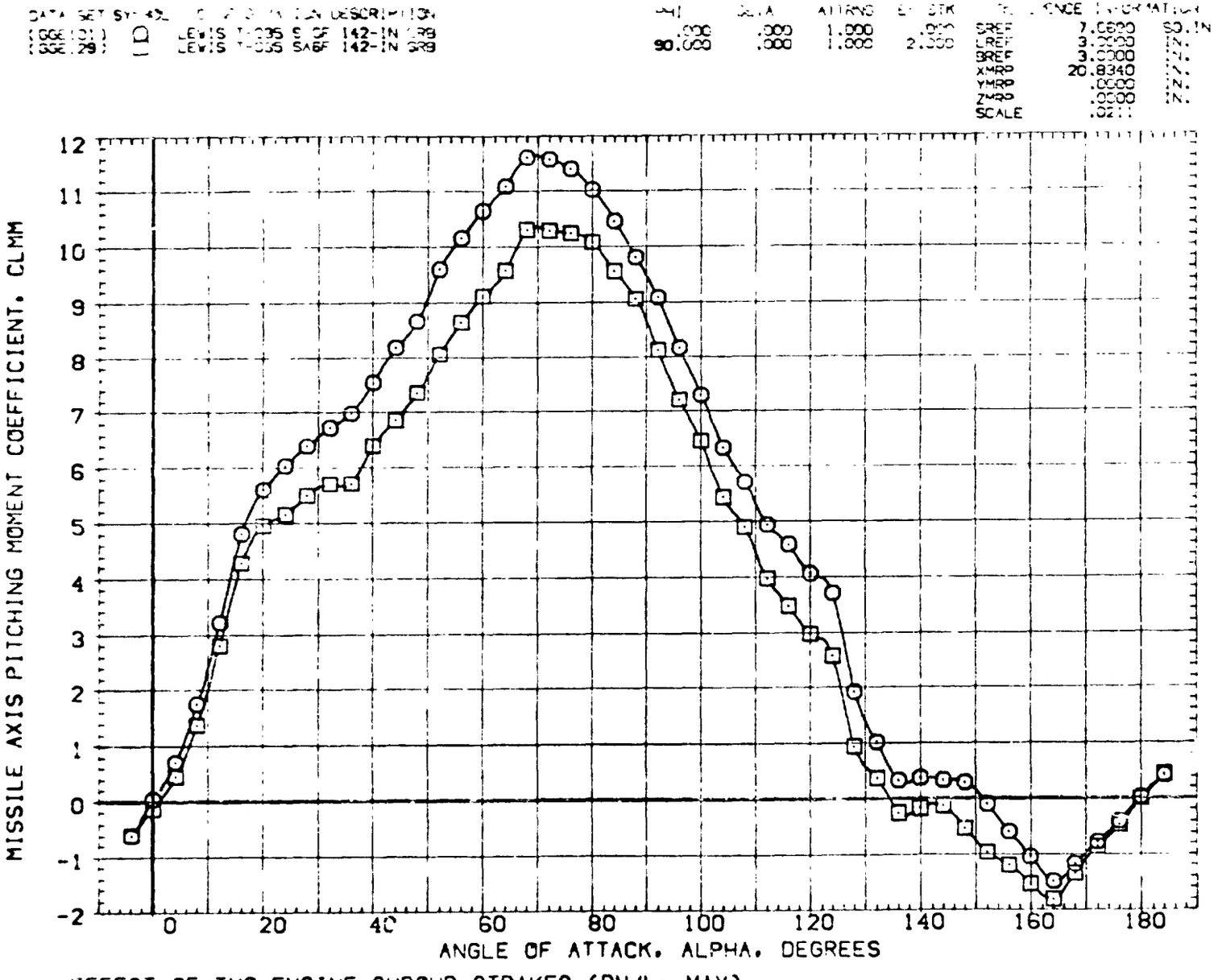
PHI	BETA	ATTRNG	ENGSTK
.000	.000	1.000	.000
90.000	.000	1.000	2.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



EFFECT OF TWO-ENGINE SHROUD STRAKES (RN/L= MAX)

(B)MACH = 2.70



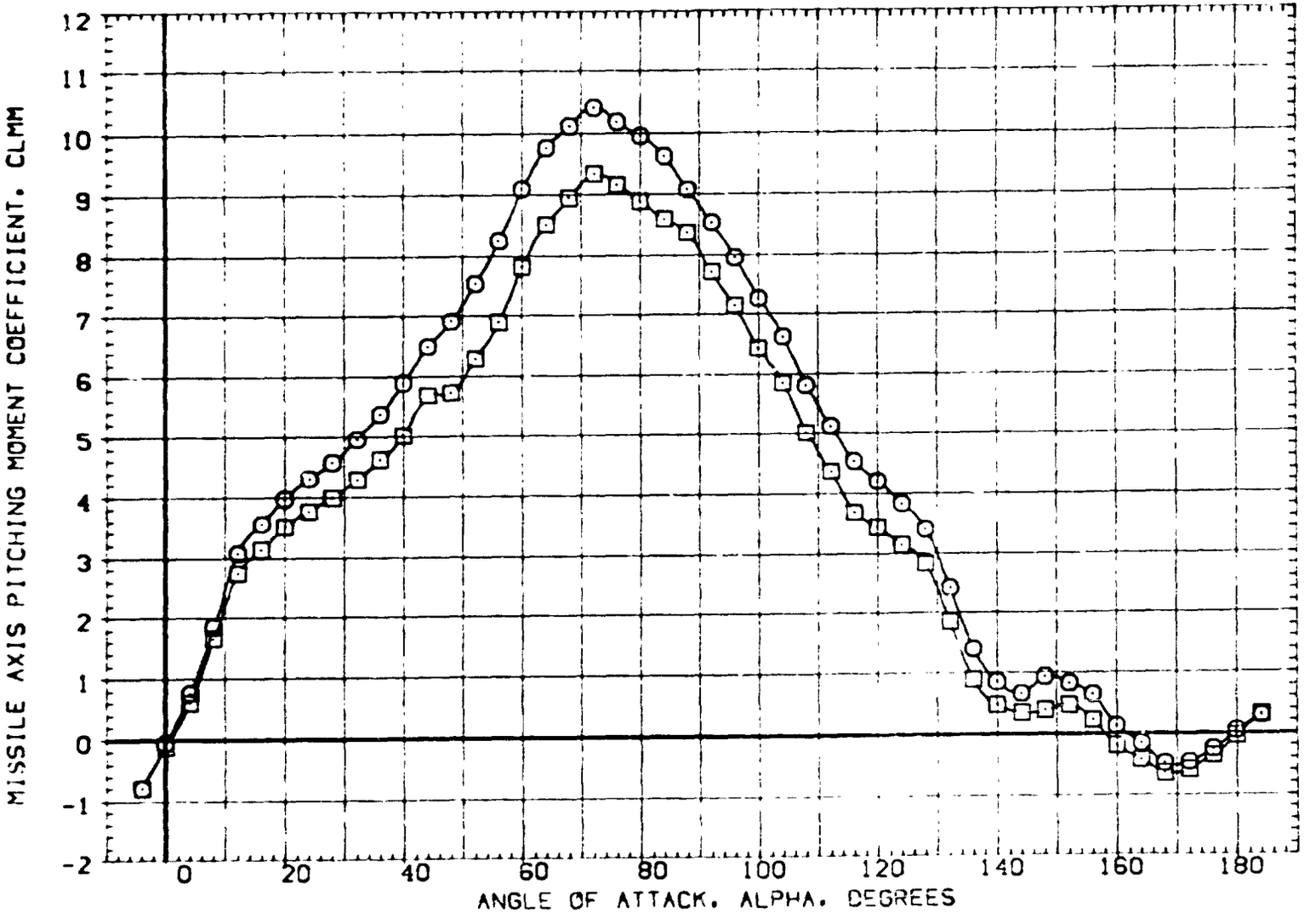
EFFECT OF TWO-ENGINE SHROUD STRAKES (RN/L= MAX)

(A)MACH = 2.00

DATA SET S		CONFIGURATION DESCRIPTION
(GGE101)	(1)	LEWIS T-035 SAGF 142-IN SRB
(GGE129)		LEWIS T-035 SAGF 142-IN SRB

PHI	BETA	ATTRNG	ENGSTK
.000	.000	1.000	.000
90.000	.000	1.000	2.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.	IN.
SCALE	.0211	



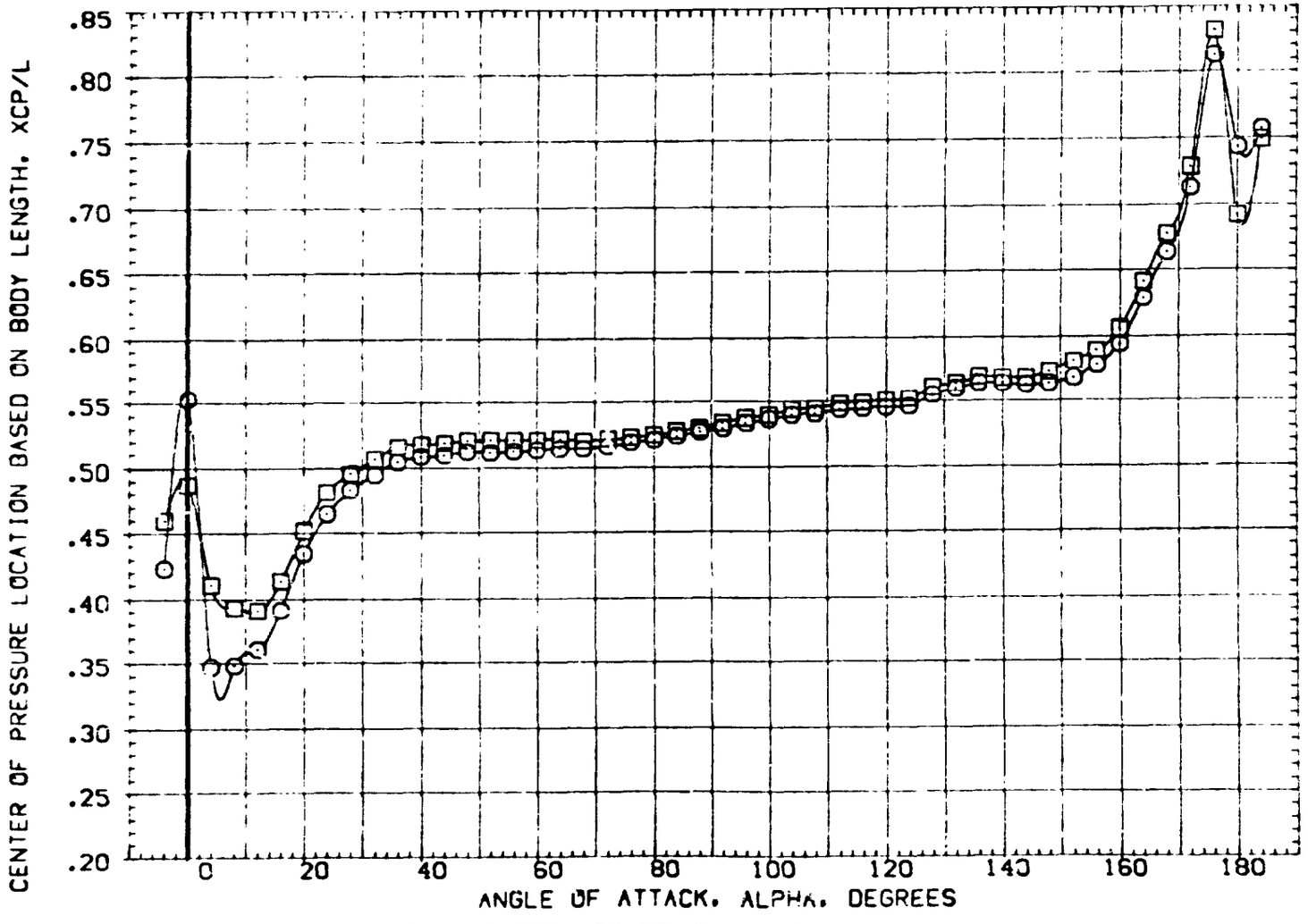
EFFECT OF TWO-ENGINE SHROUD STRAKES (RN/L= MAX)

(B)MACH = 2.70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(GGE101)	LEWIS T-035 SA6F 142-IN SRB
(GGE129)	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTRNG	ENGSTK
.000	.000	1.000	.000
90.000	.000	1.000	2.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.9340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

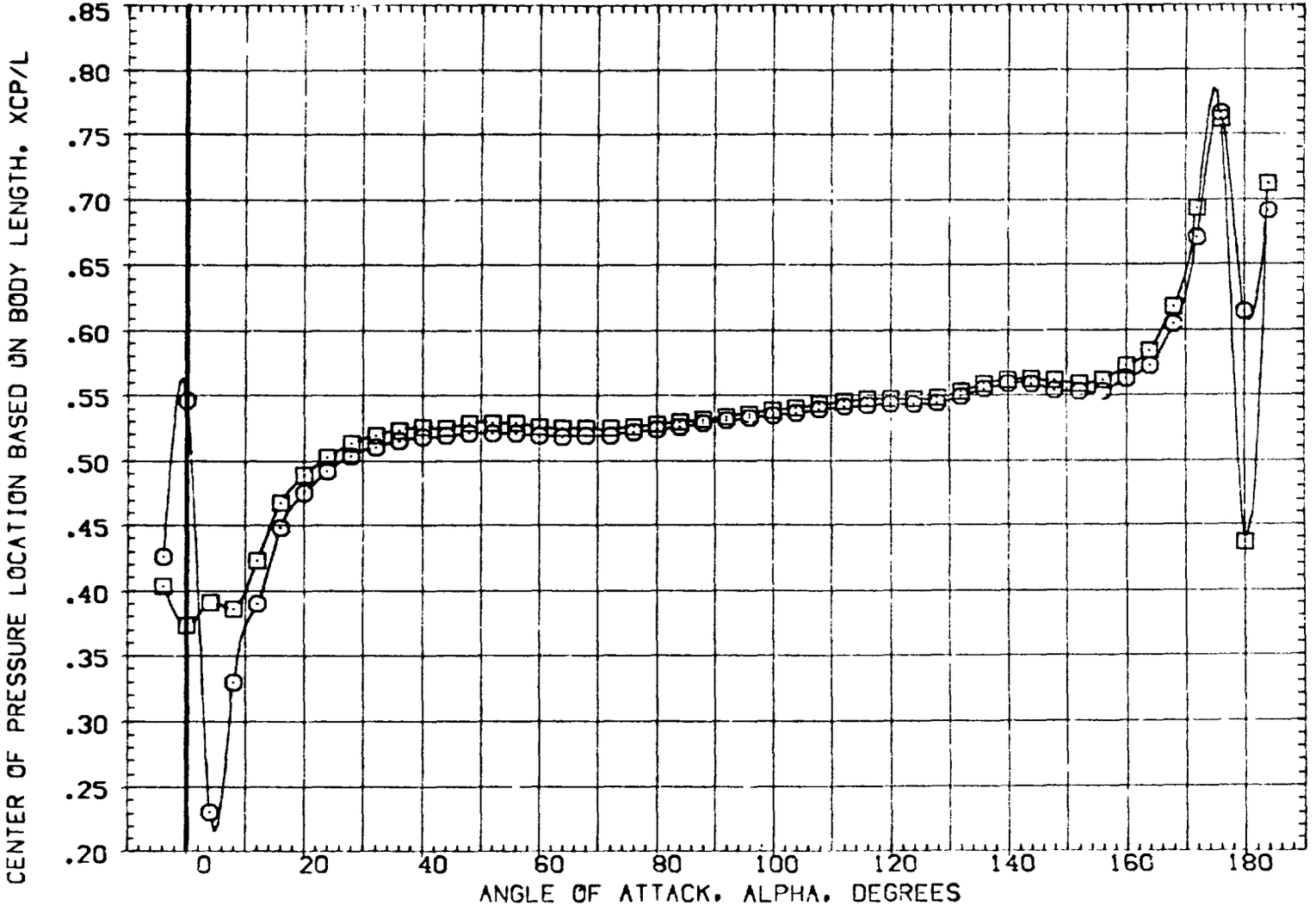


EFFECT OF TWO-ENGINE SHROUD STRAKES (RN/L= MAX)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(GGE101)	○	LEWIS T-035 SA6F 142-IN SRB	.000	.000	1.000	.000
(GGE129)	□	LEWIS T-035 SA6F 142-IN SRB	90.000	.000	1.000	2.000

REFERENCE INFORMATION		
SREF	7.	SQ.IN.
LREF	3.	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



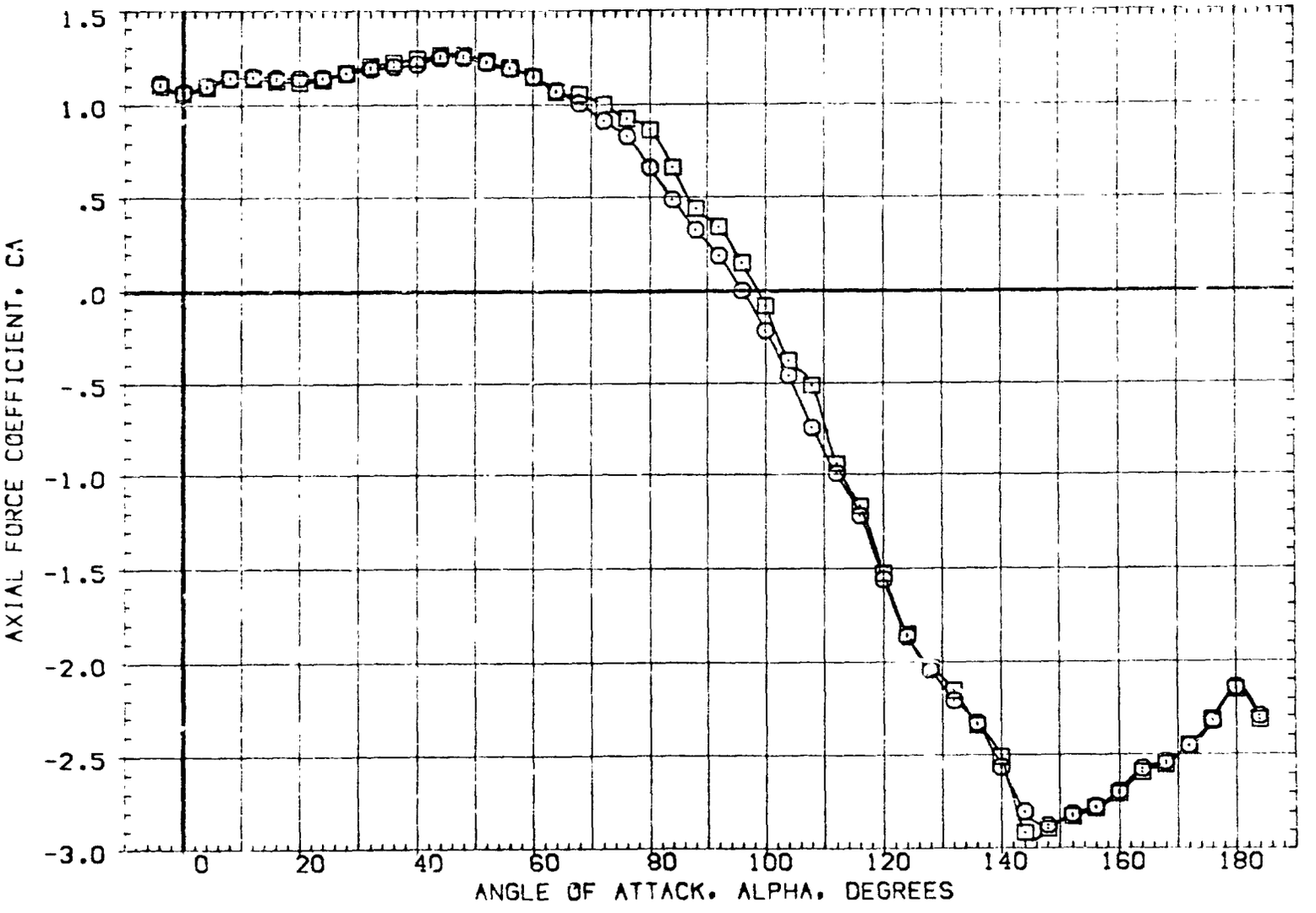
EFFECT OF TWO-ENGINE SHROUD STRAKES (RN/L= MAX)

(B)MACH = 2.70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(GGE101)	LEVIS T-035 SA6F 142-IN SRB
(GGE129)	LEVIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTNG	ENGSTK
.000	.000	1.000	.000
90.000	.000	1.000	2.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
DREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



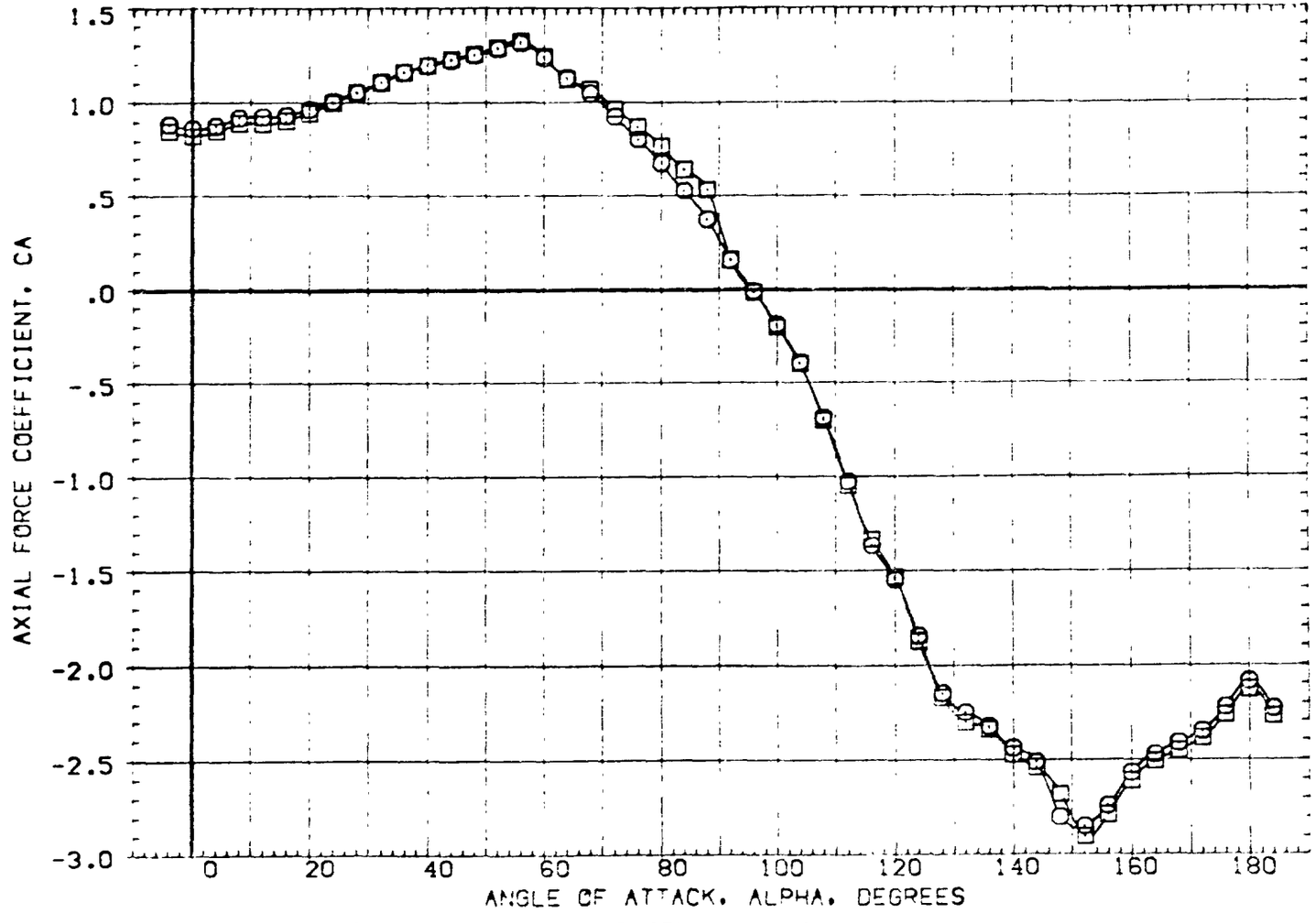
EFFECT OF TWO-ENGINE SHROUD STRAKES (RN/L= MAX)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(GE(10))	□	LEWIS T-035 SA6F 142-IN SRB
(GE(29))	□	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTRNG	ENGSTK
.000	.000	1.000	.000
90.000	.000	1.000	2.000

REFERENCE INFORMATION		
SREF	7.	SQ.IN.
LREF	3.	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.021	



EFFECT OF TWO-ENGINE SHROUD STRAKES (RN/L= MAX)

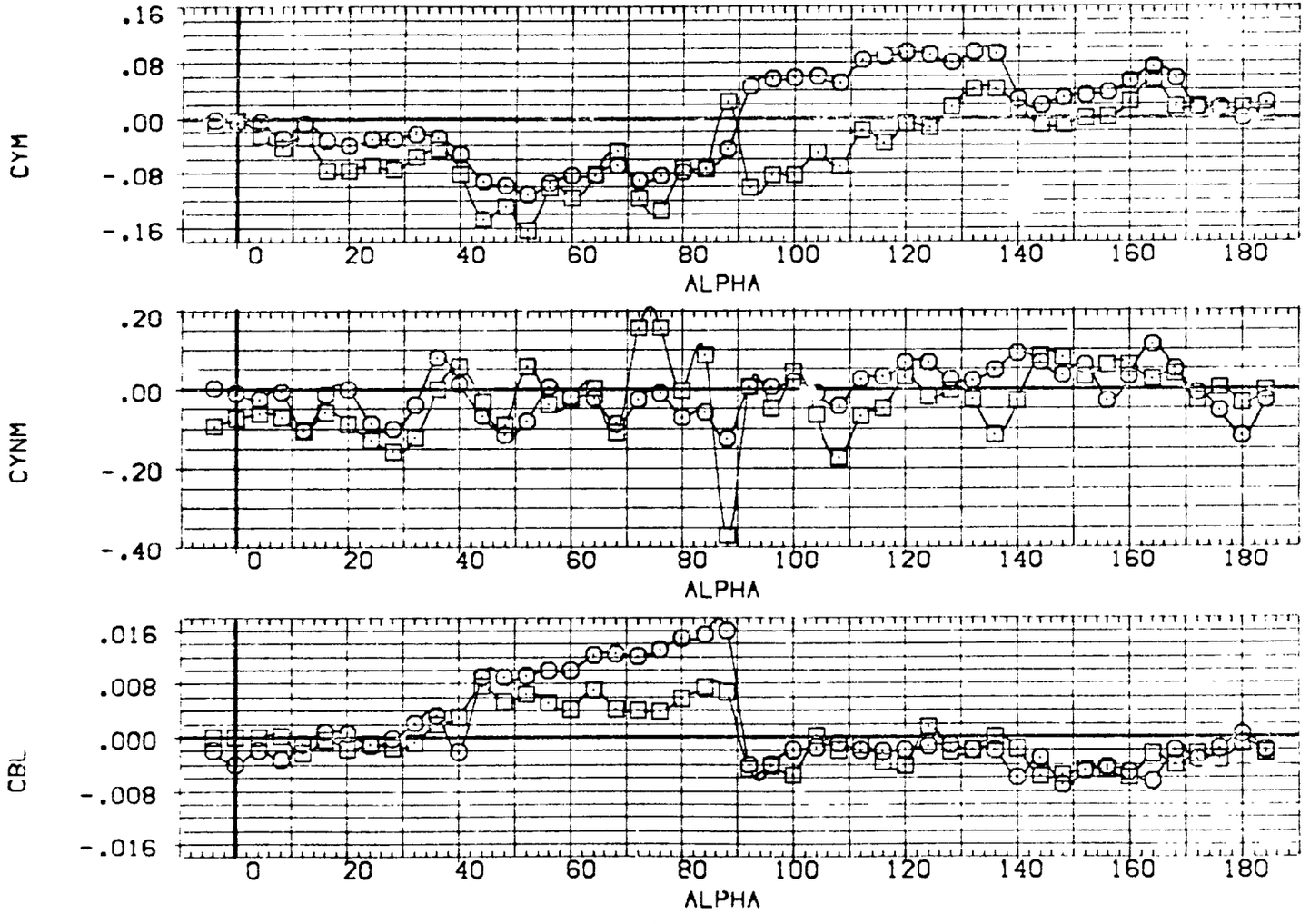
(B)MACH = 2.70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[GGE(C)] ○	LEWIS T-035 SA6F 142-IN SRB
[GGE(29)] □	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTRNG	ENGSTK
.000	.000	1.000	.000
90.000	.000	1.000	2.000

REFERENCE INFORMATION

SREF	7.0390	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.021	



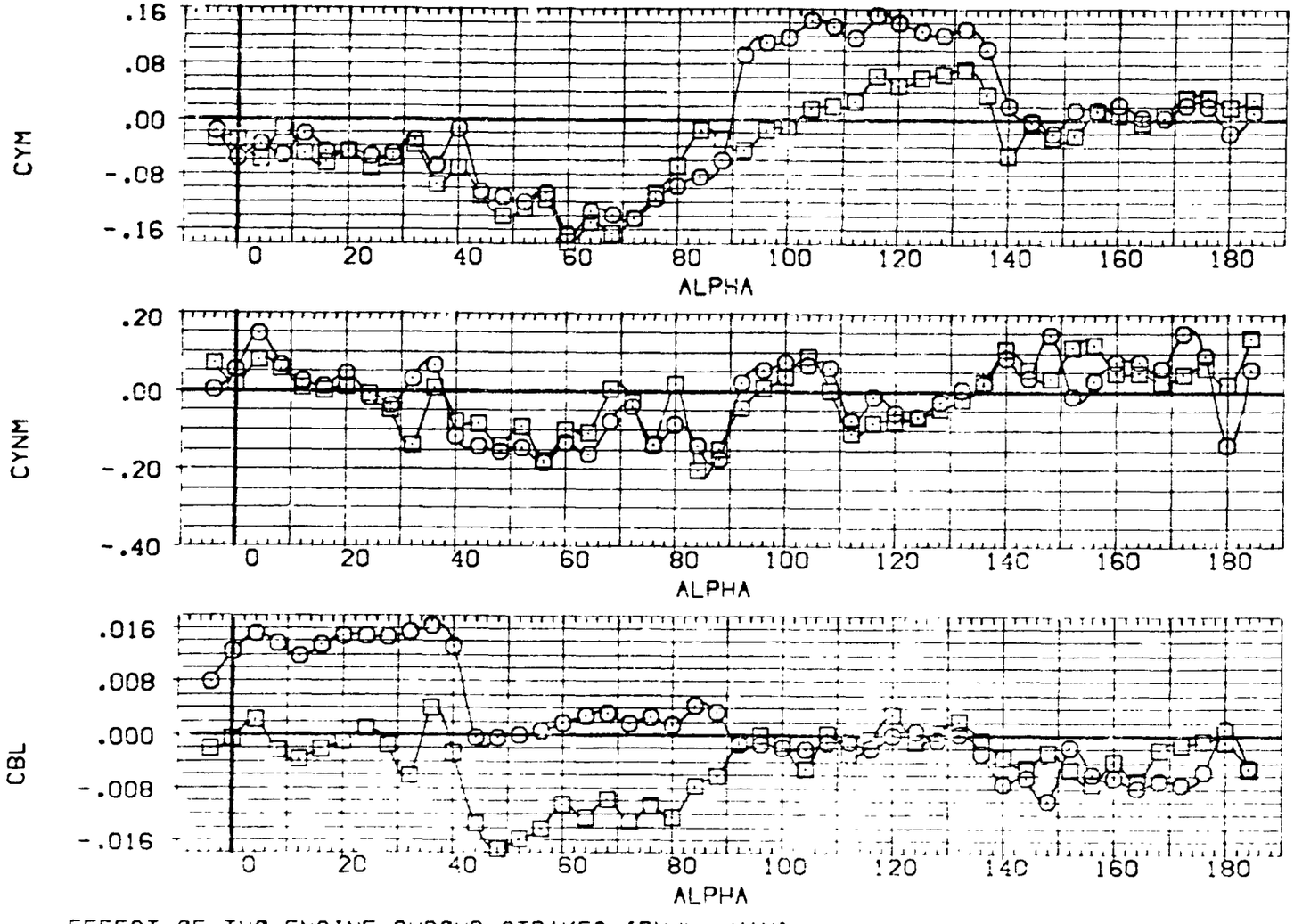
EFFECT OF TWO-ENGINE SHROUD STRAKES (RN/L= MAX)

(A)MACH = 2.00

DATA SET SY		CONFIGURATION DESCRIPTION
(GGE101)	□	LEWIS T-035 SA6F 142-IN SRB
(GGE129)	○	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTRNG	ENGSTK
.000	.000	1.000	.000
90.000	.000	1.000	2.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

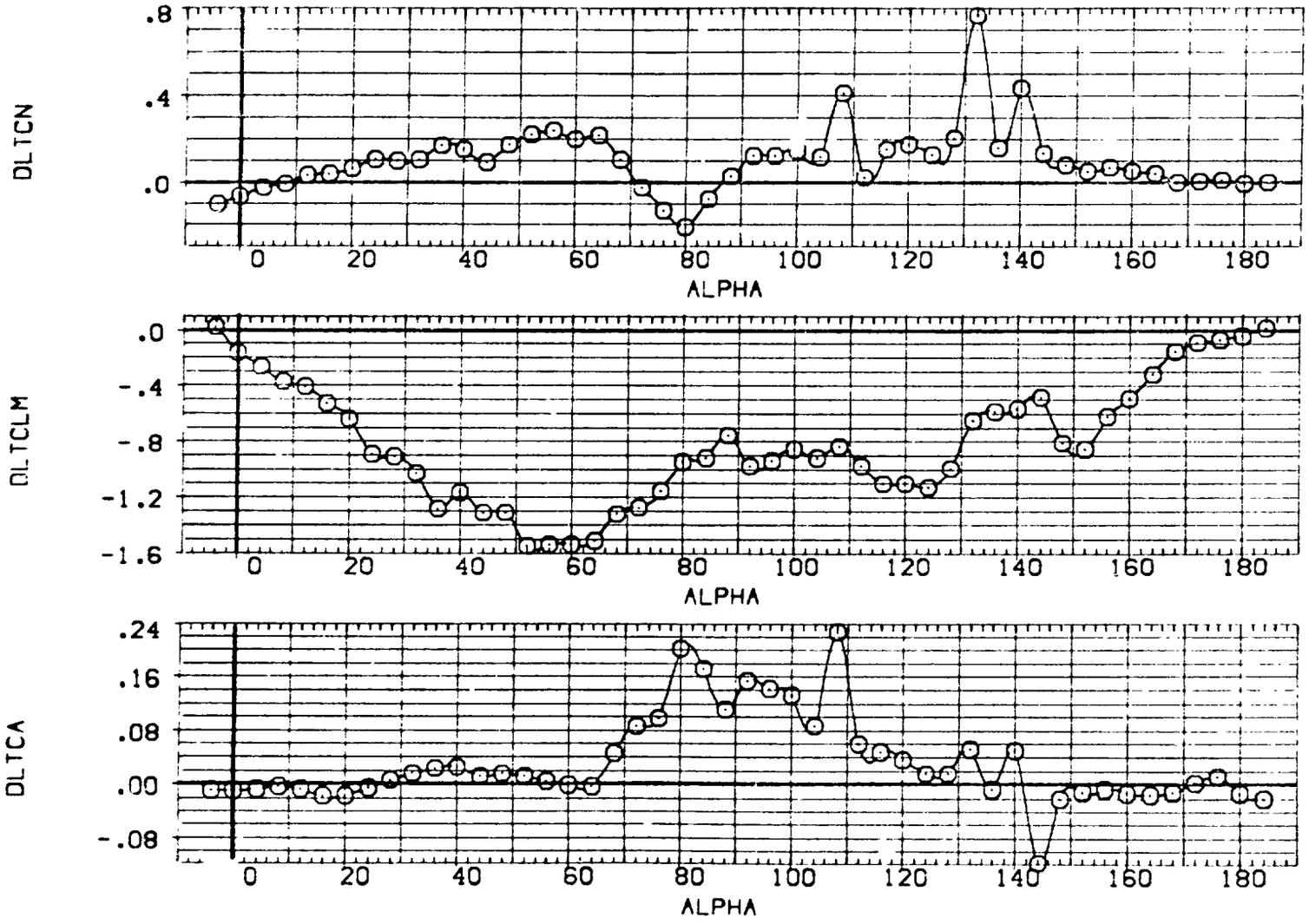


EFFECT OF TWO-ENGINE SHROUD STRAKES (RN/L= MAX)

(B)MACH = 2.70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(EGE129)	○	LEWIS T-035 SA6F 142-IN SRB	90.000	.000	1.000	2.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

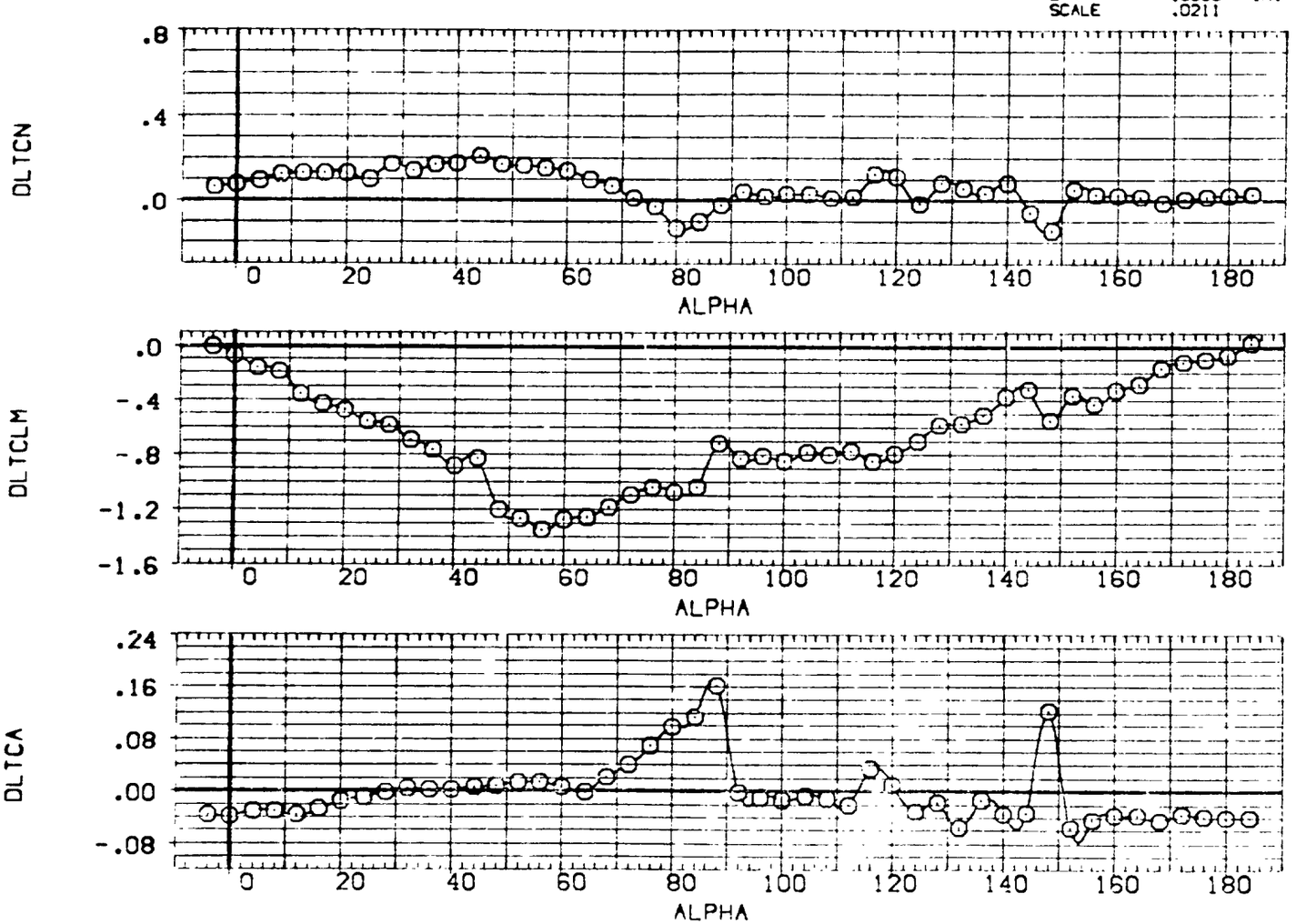


INCREMENTAL EFFECT OF TWO-ENGINE SHROUD STRAKES (RN/L= MAX)

(A)MACH = 2.00

DATA SET SY	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(EGE129) ○	LEWIS T-035 SAGF 142-IN SRB	90.000	.000	1.000	2.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



INCREMENTAL EFFECT OF TWO-ENGINE SHROUD STRAKES (RN/L= MAX)

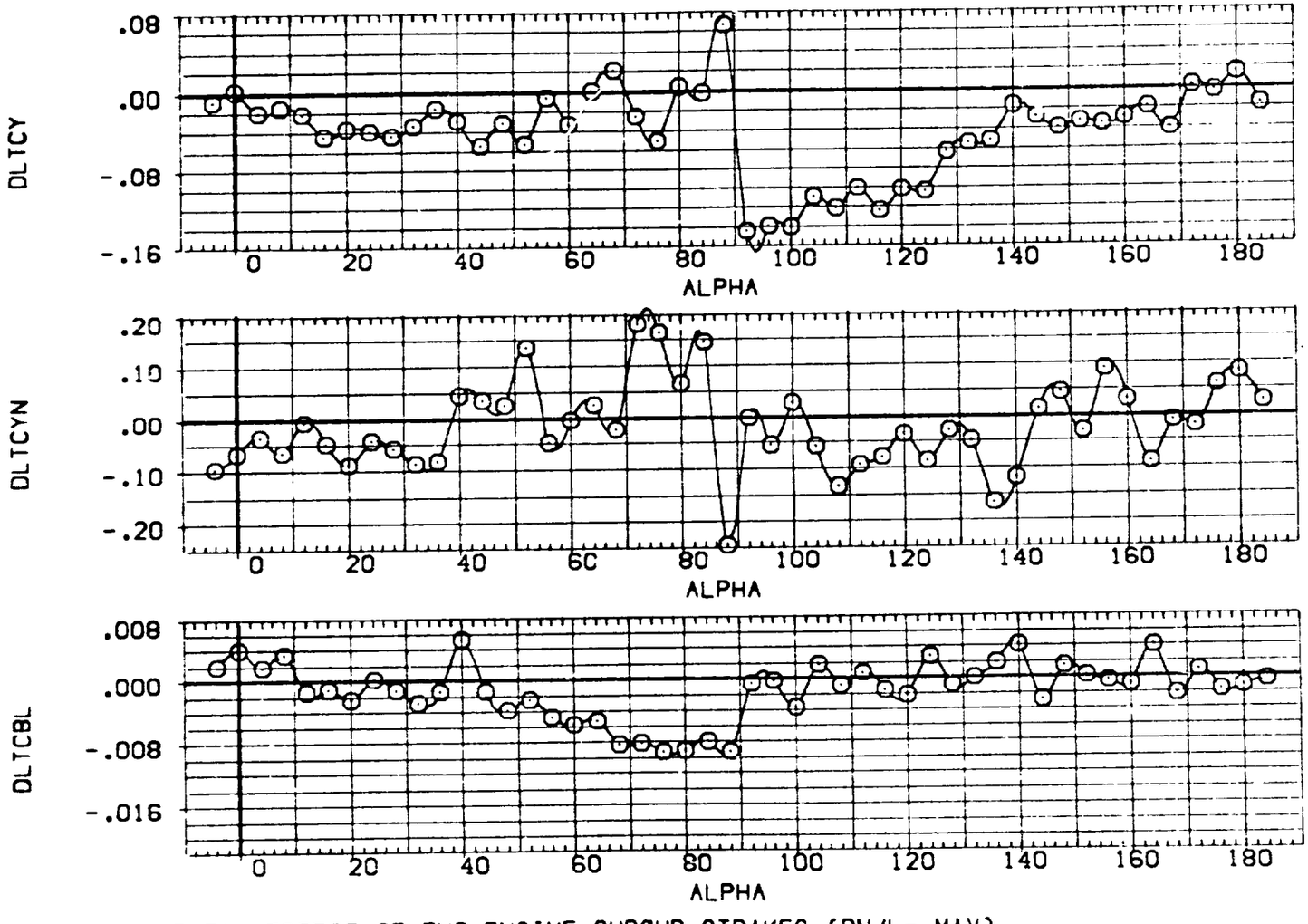
(B)MACH = 2.70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(EGE129) ○	LEWIS T-035 SABF 142-IN SRB

PHI	BETA	ATTRNG	ENDSTK
90.000	.000	1.000	2.000

REFERENCE INFORMATION

SREF	7.0590	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.021	



INCREMENTAL EFFECT OF TWO-ENGINE SHROUD STRAKES (RN/L= MAX)

(A)MACH = 2.00

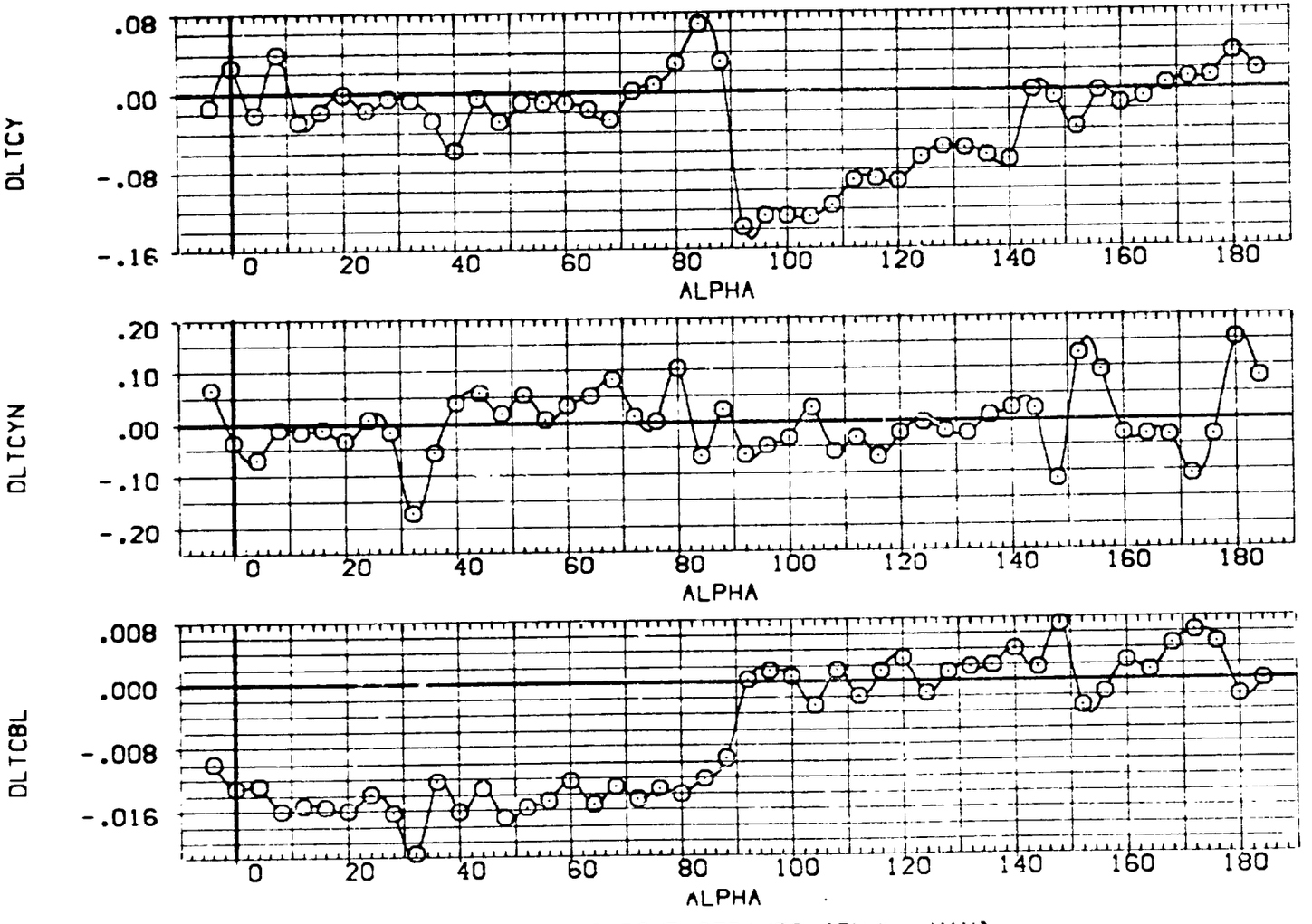
DATA SET S
(EGE129) ○

CONFIGURATION DESCRIPTION
LEWIS T-035 SAGF 142-IN SRB

PHI	BETA	ATTRNG	ENGSTK
90.000	.000	1.000	2.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.	IN.
SCALE	.0211	



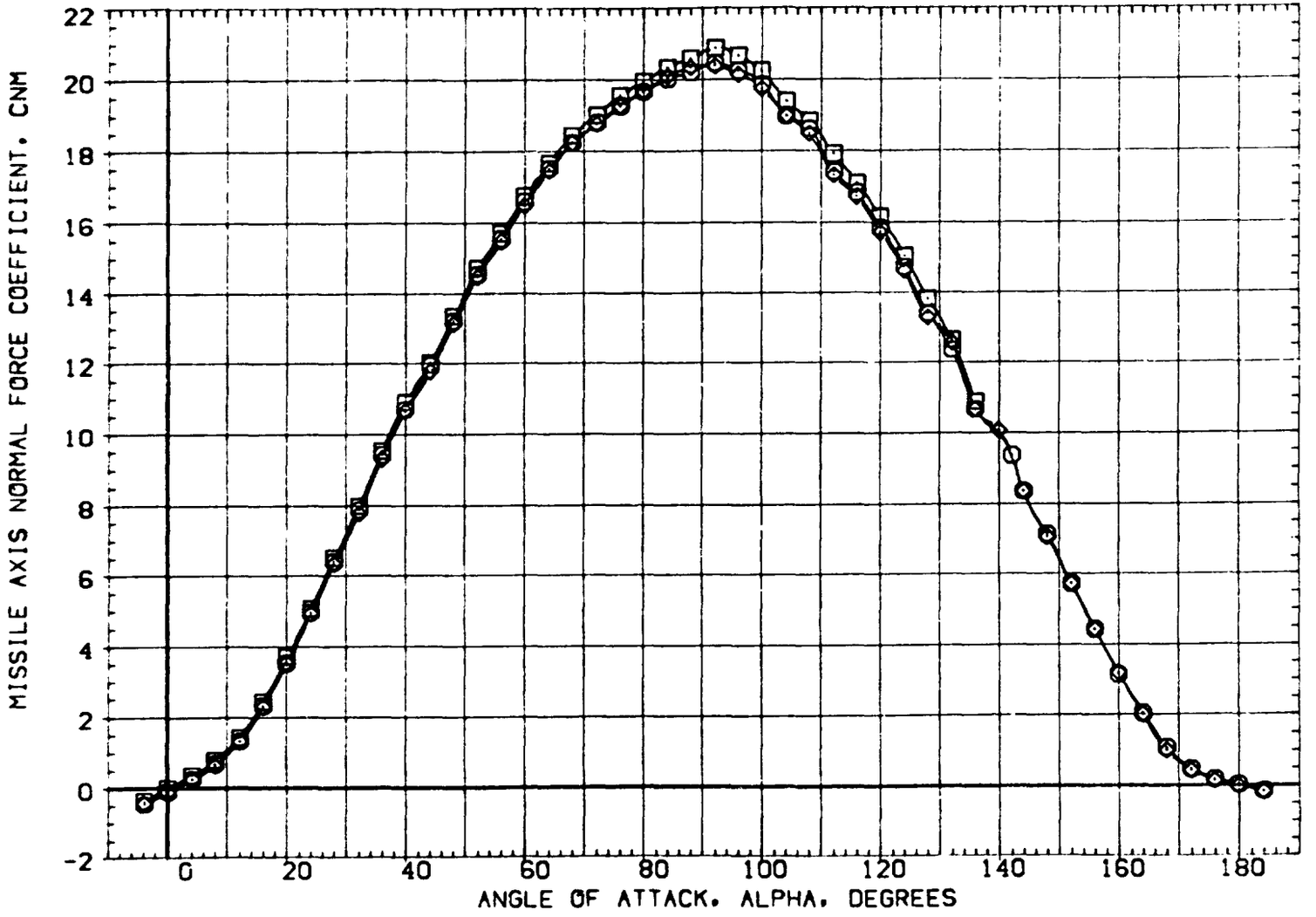
INCREMENTAL EFFECT OF TWO-ENGINE SHROUD STRAKES (RN/L= MAX)

(B)MACH = 2.70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(GGE119)	□	LEWIS T-035 SA6F 142-IN SRB
(GGE125)	◇	LEWIS T-035 SA6F 142-IN SRB
(GGE129)	△	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTRNG	ENGSTK
.000	.000	1.000	8.000
22.500	.000	1.000	8.000
90.000	.000	1.000	2.000

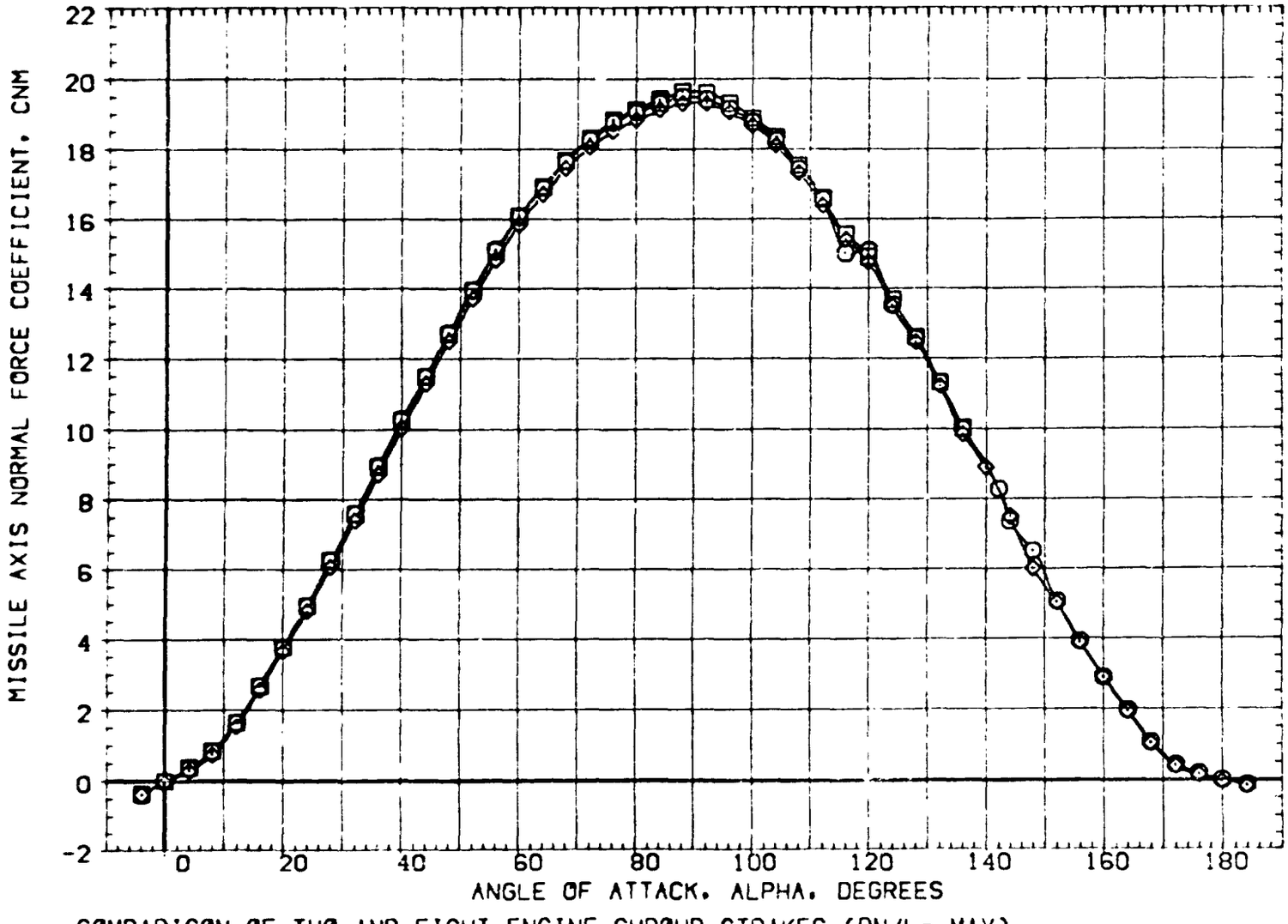
REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



COMPARISON OF TWO AND EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(A)MACH = 2.00

DATA SET	SY	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK	REFE	INF	TION
(GGE119)	□	LEWIS T-035 SA6F 142-IN SRB	.	.000	1.	8.000	SREF	7.0690	SQ.IN.
(GGE125)	◇	LEWIS T-035 SA6F 142-IN SRB	22.500	.000	1.000	8.000	LREF	3.	IN.
(GGE129)	◇	LEWIS T-035 SA6F 142-IN SRB	90.000	.000	1.000	2.000	BREF	3.	IN.
							XMRP	20.8340	IN.
							YMRP	.	IN.
							ZMRP	.	IN.
							SCALE	.0211	



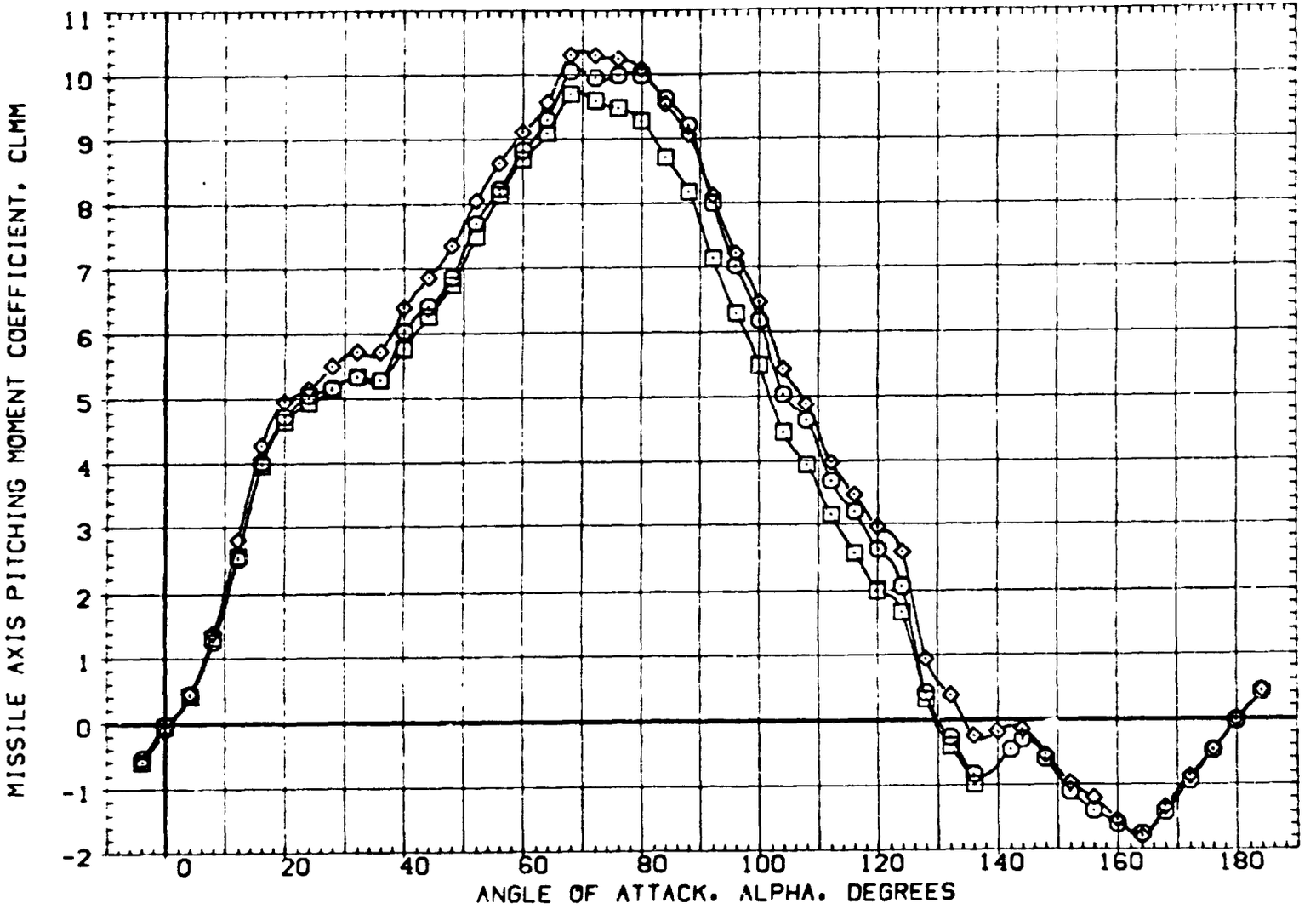
COMPARISON OF TWO AND EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(B)MAC- = 2.70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(SSE119)	□	LEWIS T-035 SA6F 142-IN SRB
(SSE120)	◇	LEWIS T-035 SA6F 142-IN SRB
(SSE129)	○	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTRNG	ENGSTK
.000	.000	1.000	8.000
22.500	.000	1.000	8.000
90.000	.000	1.000	2.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



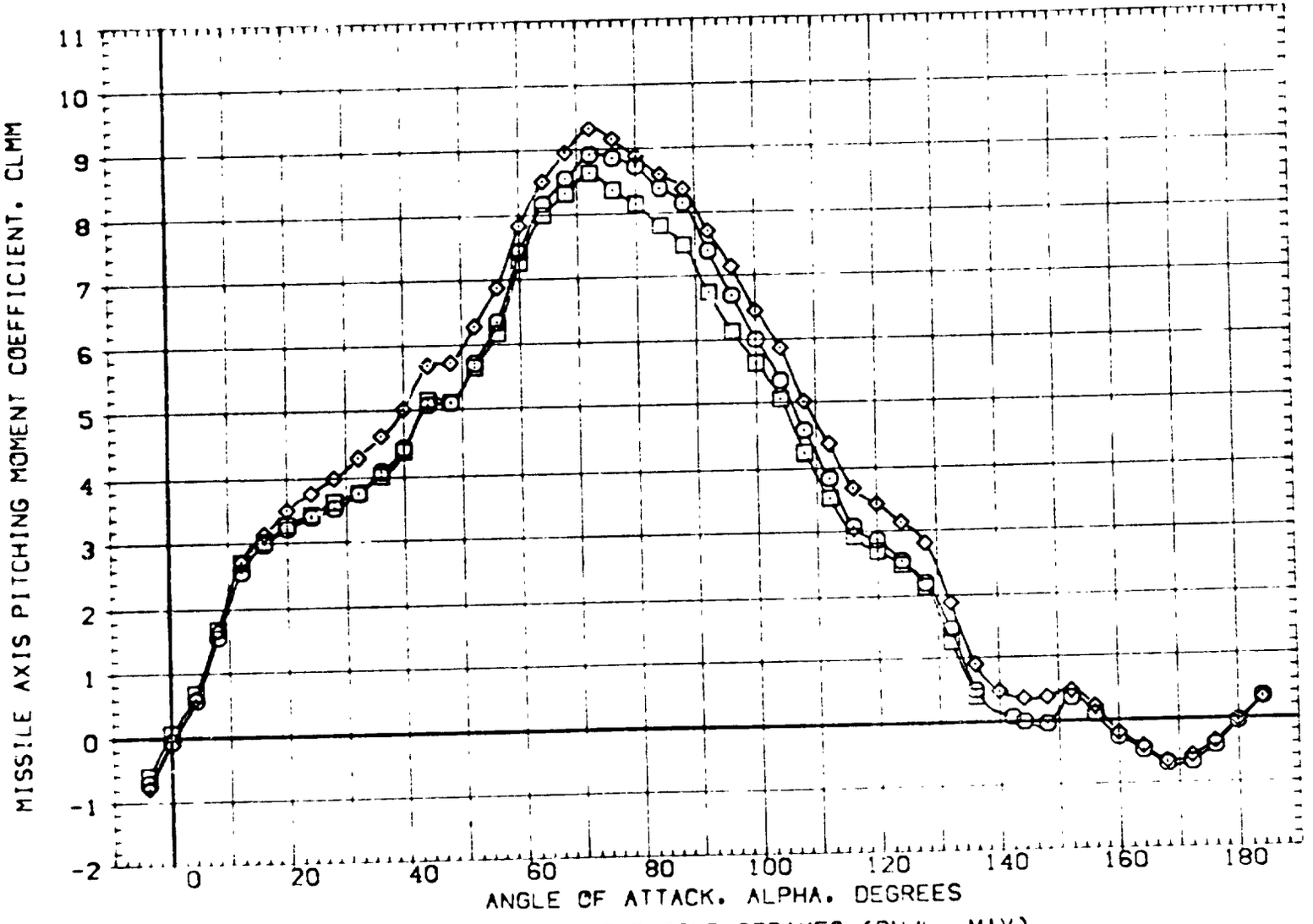
COMPARISON OF TWO AND EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(A)MACH = 2.00

DATA SET SY	CONFIGURATION DESCRIPTION
[illegible]	LEWIS T-035 SA6F 142-IN SRB
[illegible]	LEWIS T-035 SA6F 142-IN SRB
[illegible]	LEWIS T-035 SA6F 142-IN SRB

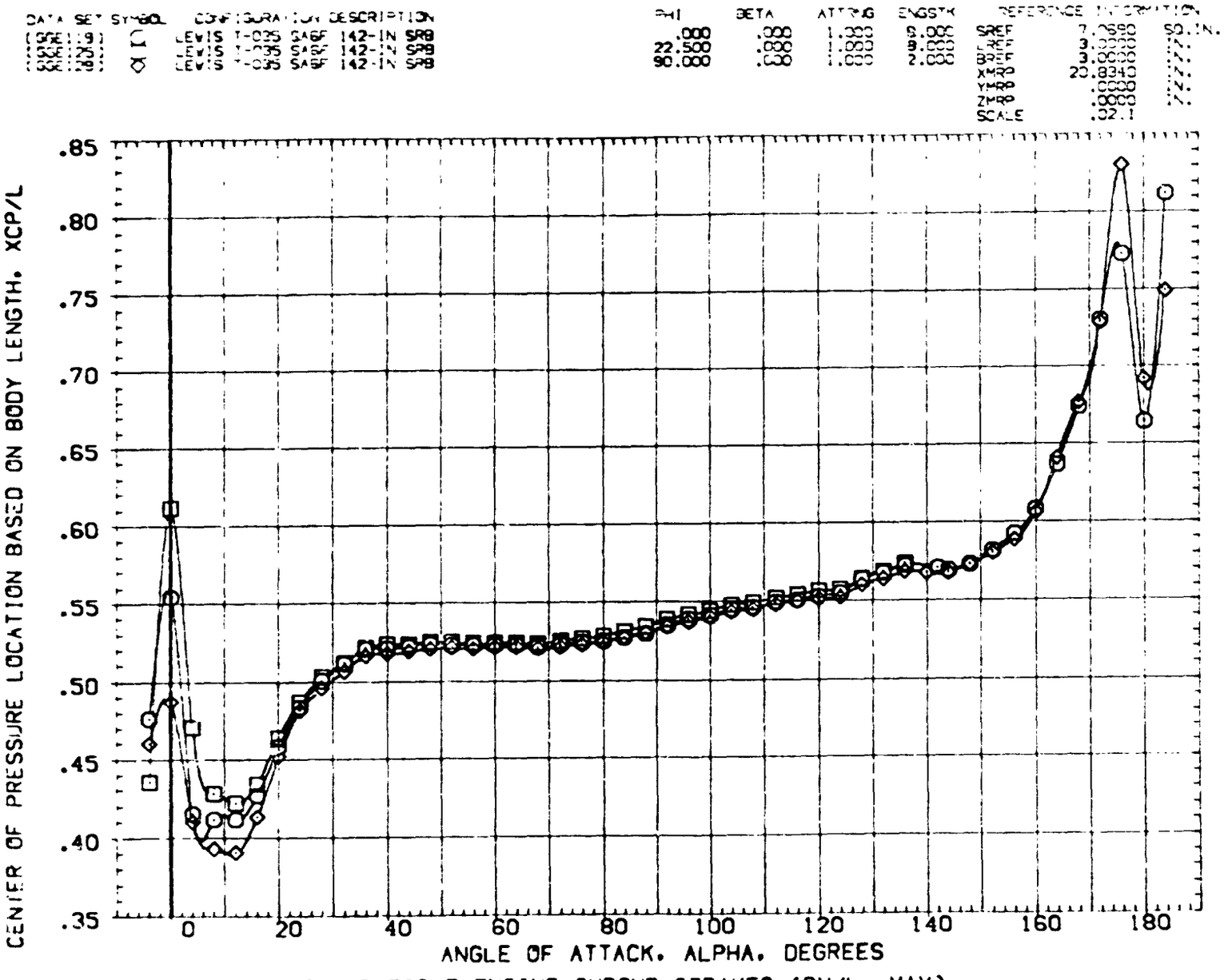
PHI	BETA	ATTRNG	ENGSTK
.000	.000	1.000	8.000
22.500	.000	1.000	8.000
90.000	.000	1.000	2.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.021	



COMPARISON OF TWO AND EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(B)MACH = 2.70

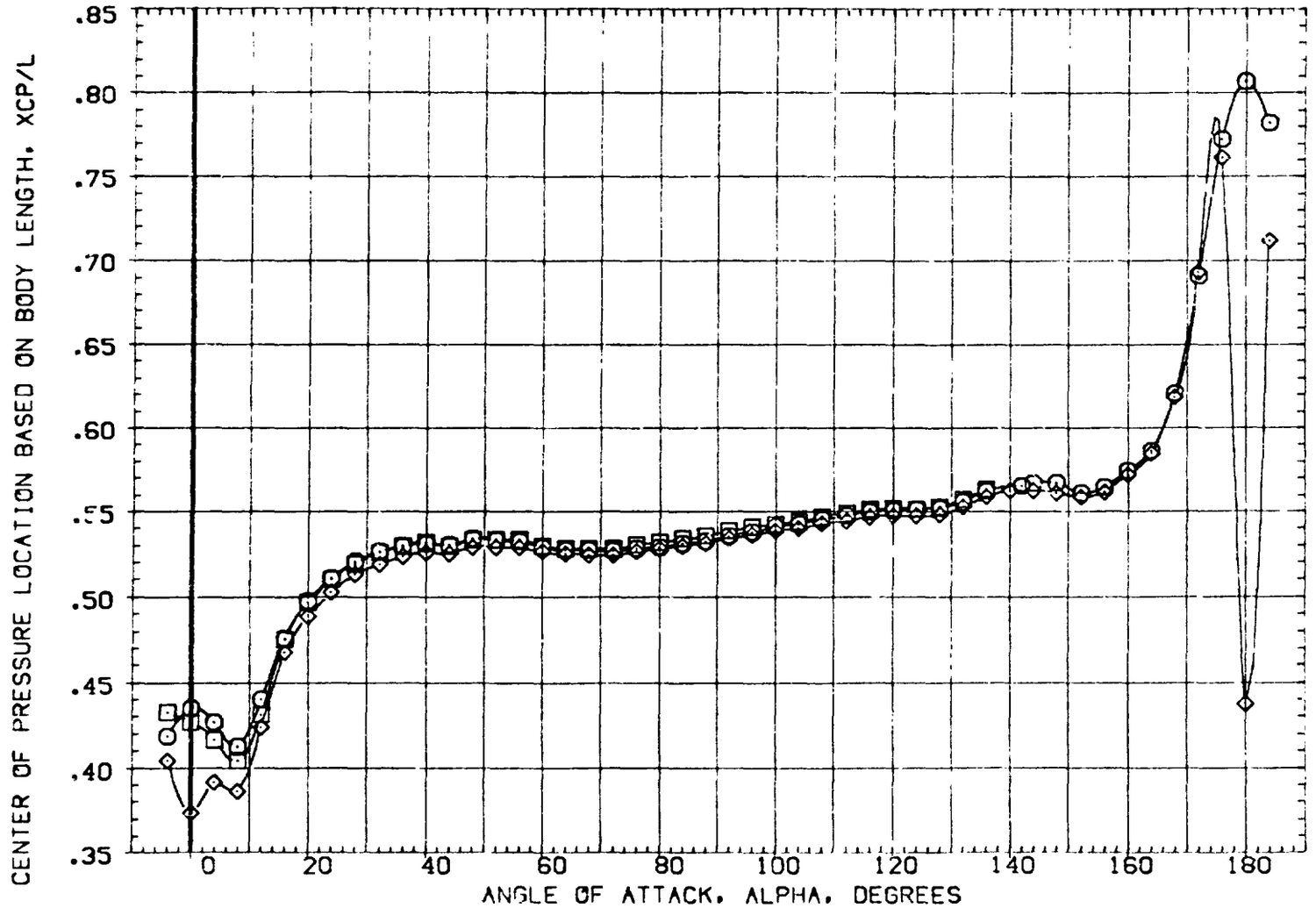


COMPARISON OF TWO AND EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(GGE119)	□	LEWIS T-035 SA6F 142-IN SRB	.000	.000	1.000	8.000
(GGE125)	◇	LEWIS T-035 SA6F 142-IN SRB	22.500	.000	1.000	8.000
(GGE129)	◇	LEWIS T-035 SA6F 142-IN SRB	90.000	.000	1.000	2.000

REFERENCE INFORMATION		
SREF	7.	SQ.IN.
LREF	3.	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.021	



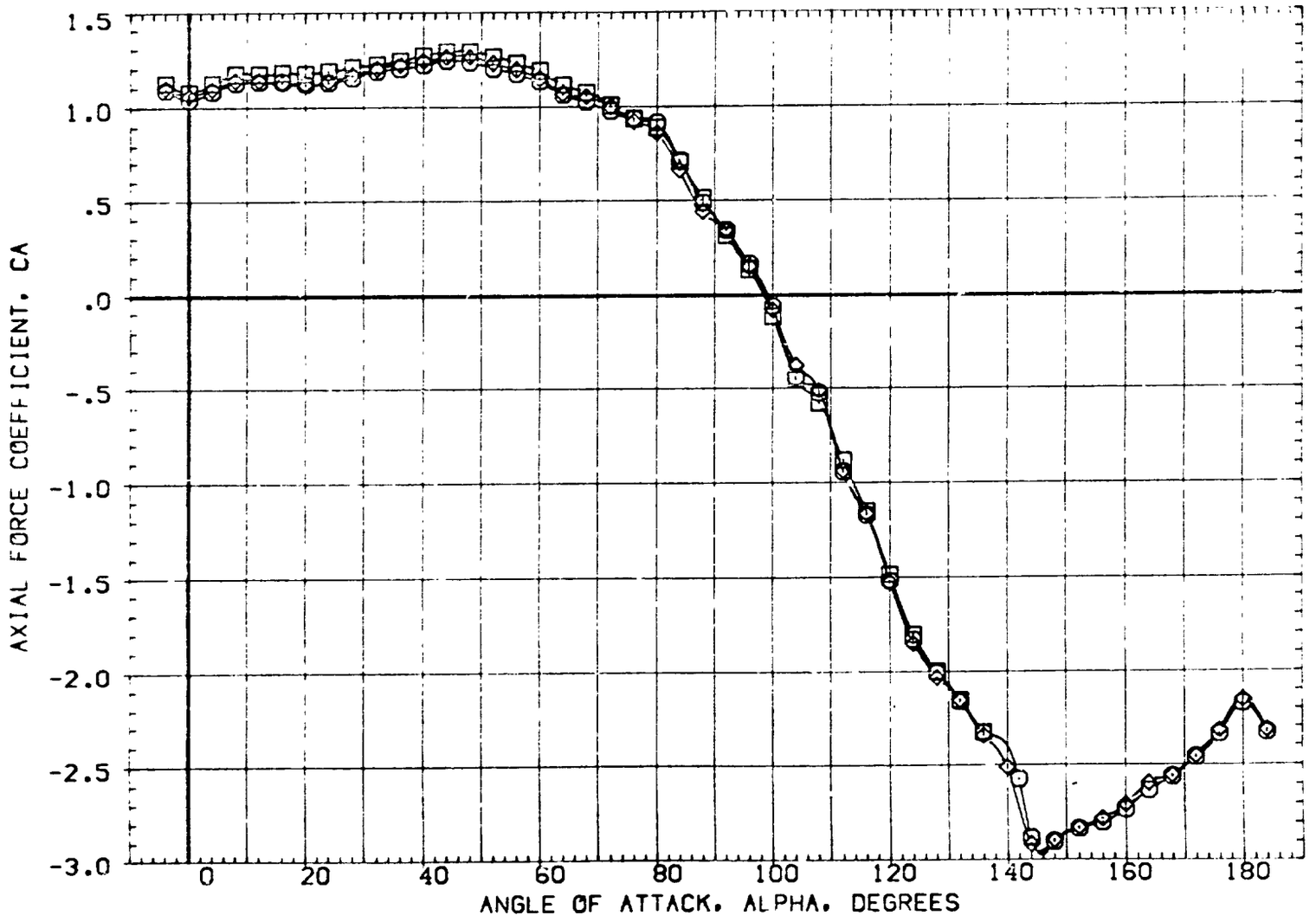
COMPARISON OF TWO AND EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(B)MACH = 2.70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(GGE119)	○	LEWIS T-035 SA6F 142-IN SRB
(GGE125)	△	LEWIS T-035 SA6F 142-IN SRB
(GGE129)	◇	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTRNG	ENGSTK
.000	.000	1.000	8.000
22.500	.000	1.000	8.000
90.000	.000	1.000	2.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	
BREF	3.0000	
XMRP	20.9340	
YMRP	.0000	
ZMRP	.0000	
SCALE	.02	

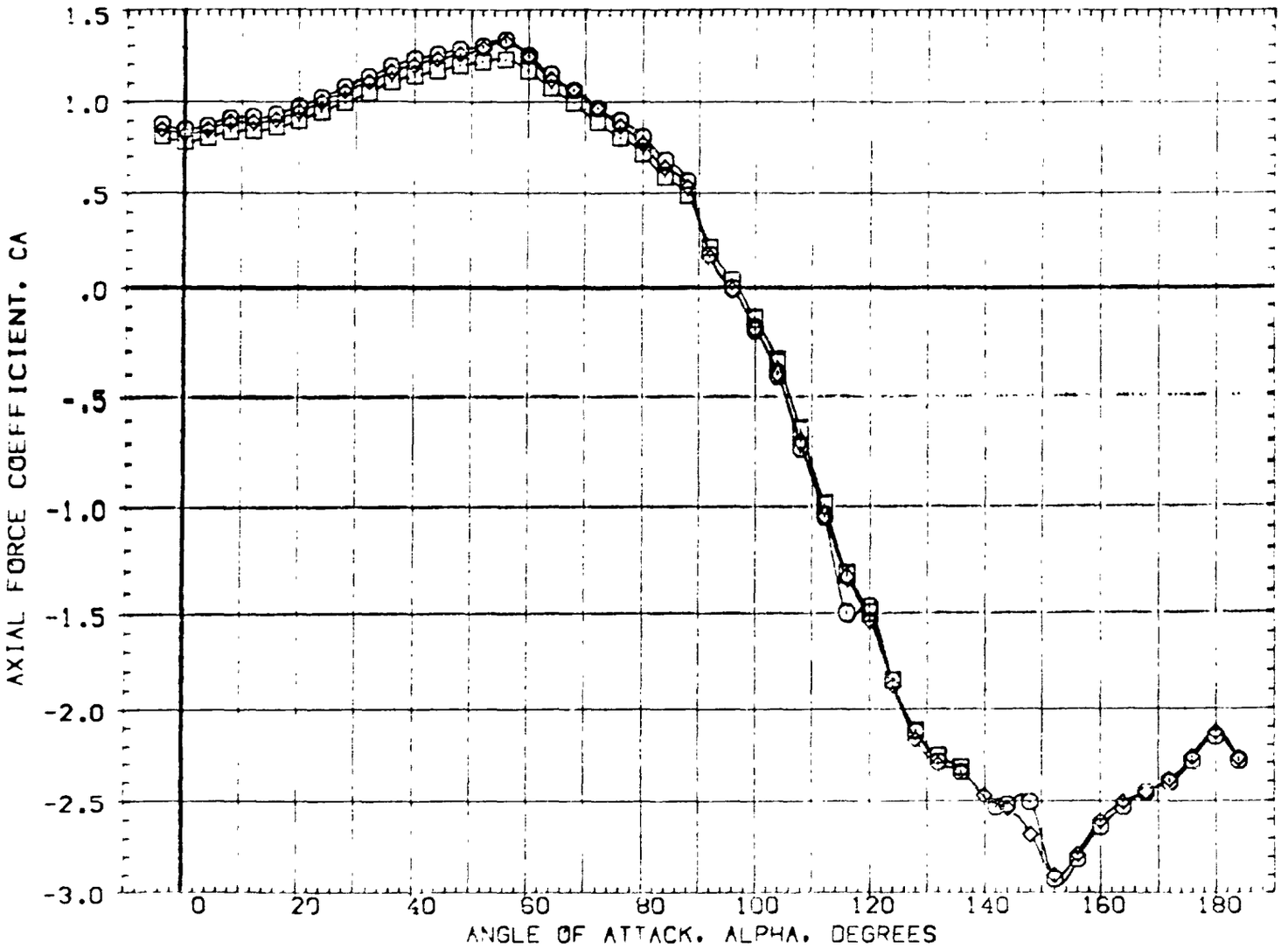


COMPARISON OF TWO AND EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(A)MACH = 2.00

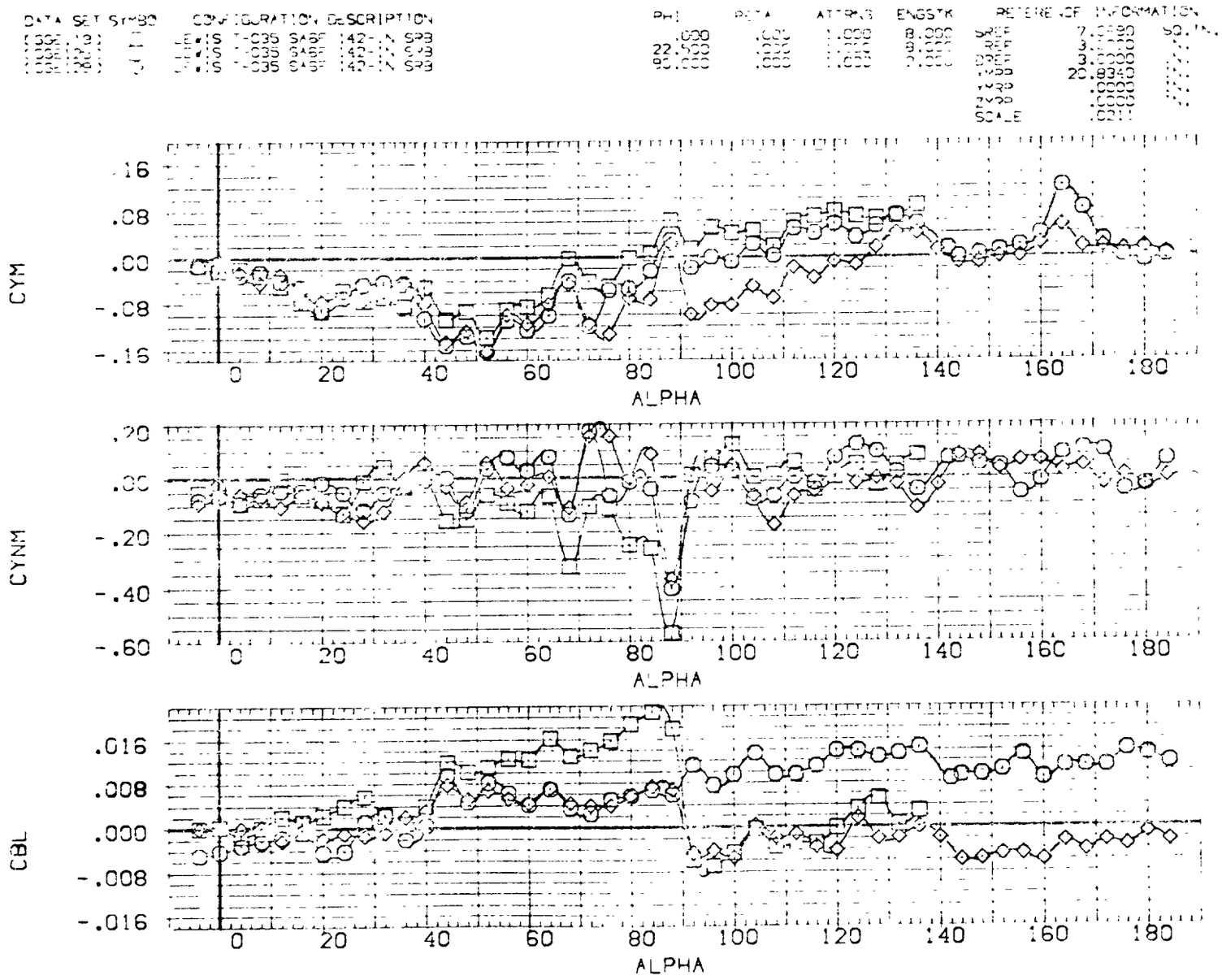
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(GGE19)	□	LEWIS T-035 SA6F 142-IN SRB	.000	.000	1.000	8.000
(GGE25)	○	LEWIS T-035 SA6F 142-IN SRB	22.500	.000	1.000	8.000
(GGE29)	◇	LEWIS T-035 SA6F 142-IN SRB	90.000	.000	1.000	2.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



COMPARISON OF TWO AND EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(B)MACH = 2.70



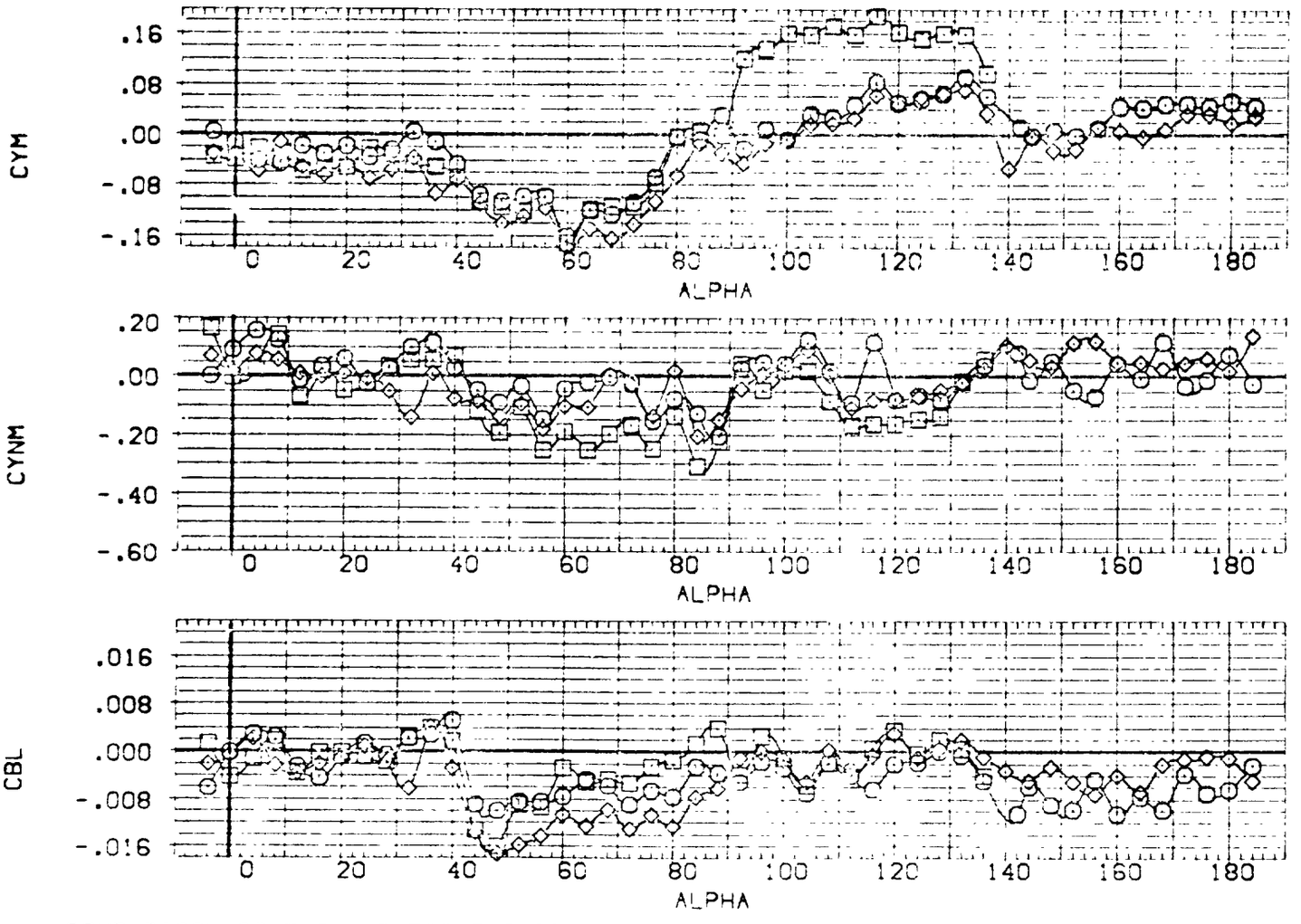
COMPARISON OF TWO AND EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(GE:19)	□	LEWIS T-035 SA6F 142-IN SRB
(GE:20)	◇	LEWIS T-035 SA6F 142-IN SRB
(GE:29)	○	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTRNG	ENGSTK
.000	.000	1.000	8.000
22.500	.000	1.000	8.000
90.000	.000	1.000	2.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.02::	

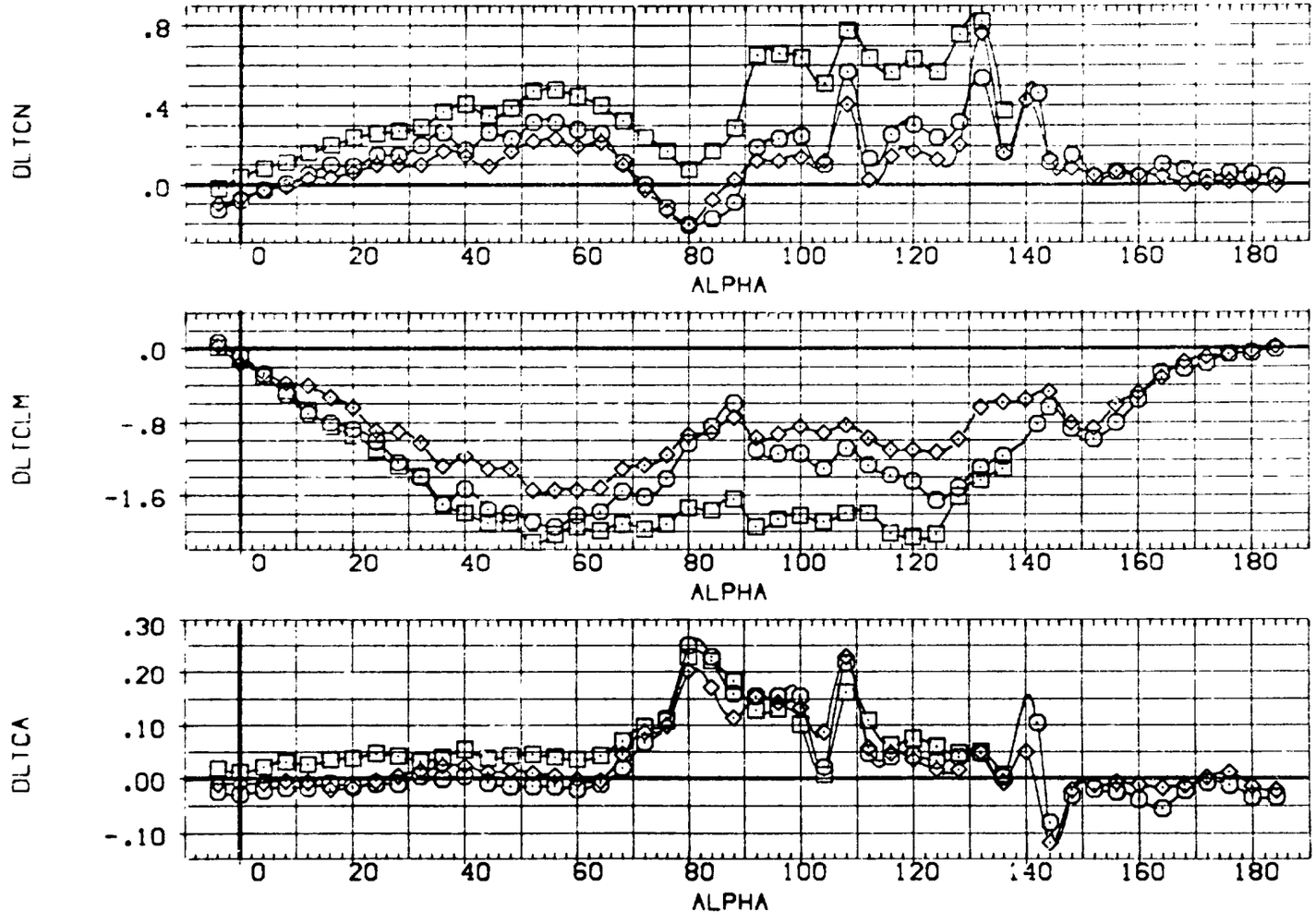


COMPARISON OF TWO AND EIGHT-ENGINE SHROUD STRAKES (RN/L= MAX)

(B)MACH = 2.70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTPNG	ENGSTK
(EGE119)	□	LEWIS T-035 SA6F 142-IN SRB	.000	.000	1.000	8.000
(EGE120)	◇	LEWIS T-035 SA6F 142-IN SRB	22.500	.000	1.000	8.000
(EGE121)	△	LEWIS T-035 SA6F 142-IN SRB	90.000	.000	1.000	2.000

REFERENCE INFORMATION		
SREF	7.0390	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.021	



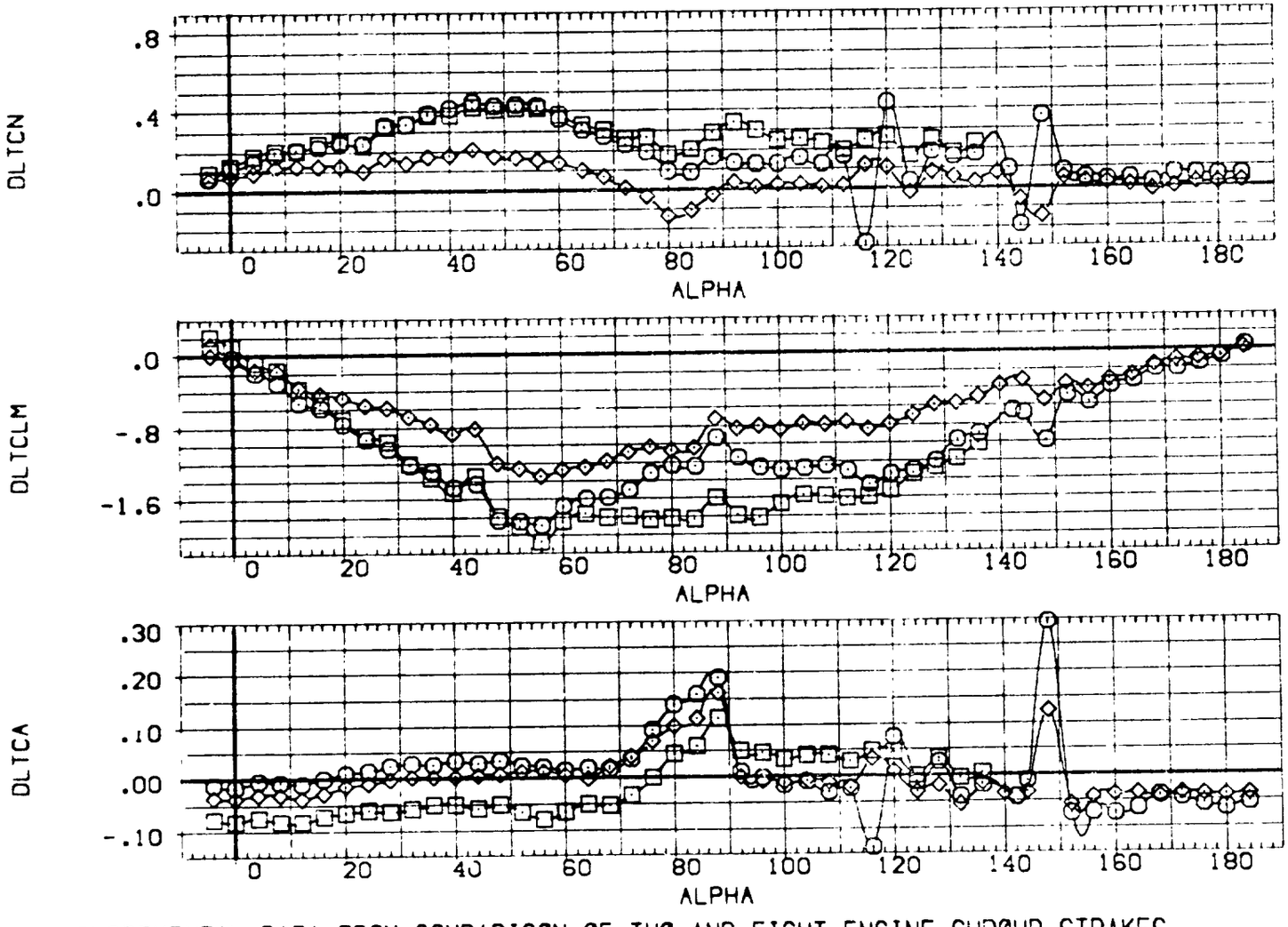
INCREMENTAL DATA FROM COMPARISON OF TWO AND EIGHT-ENGINE SHROUD STRAKES

(A)MACH = 2.00

DATA SET S		CONFIGURATION DESCRIPTION
(EGE119)	○	LEWIS T-035 SA6F 142-IN SRB
[illegible]	△	LEWIS T-035 SA6F 142-IN SRB
(EGE129)	◇	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTRNG	ENGSTK
.000	.000	1.000	8.000
22.500	.000	1.000	8.000
90.000	.000	1.000	2.000

REFERENCE INFORMATION		
SREF	7.0650	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



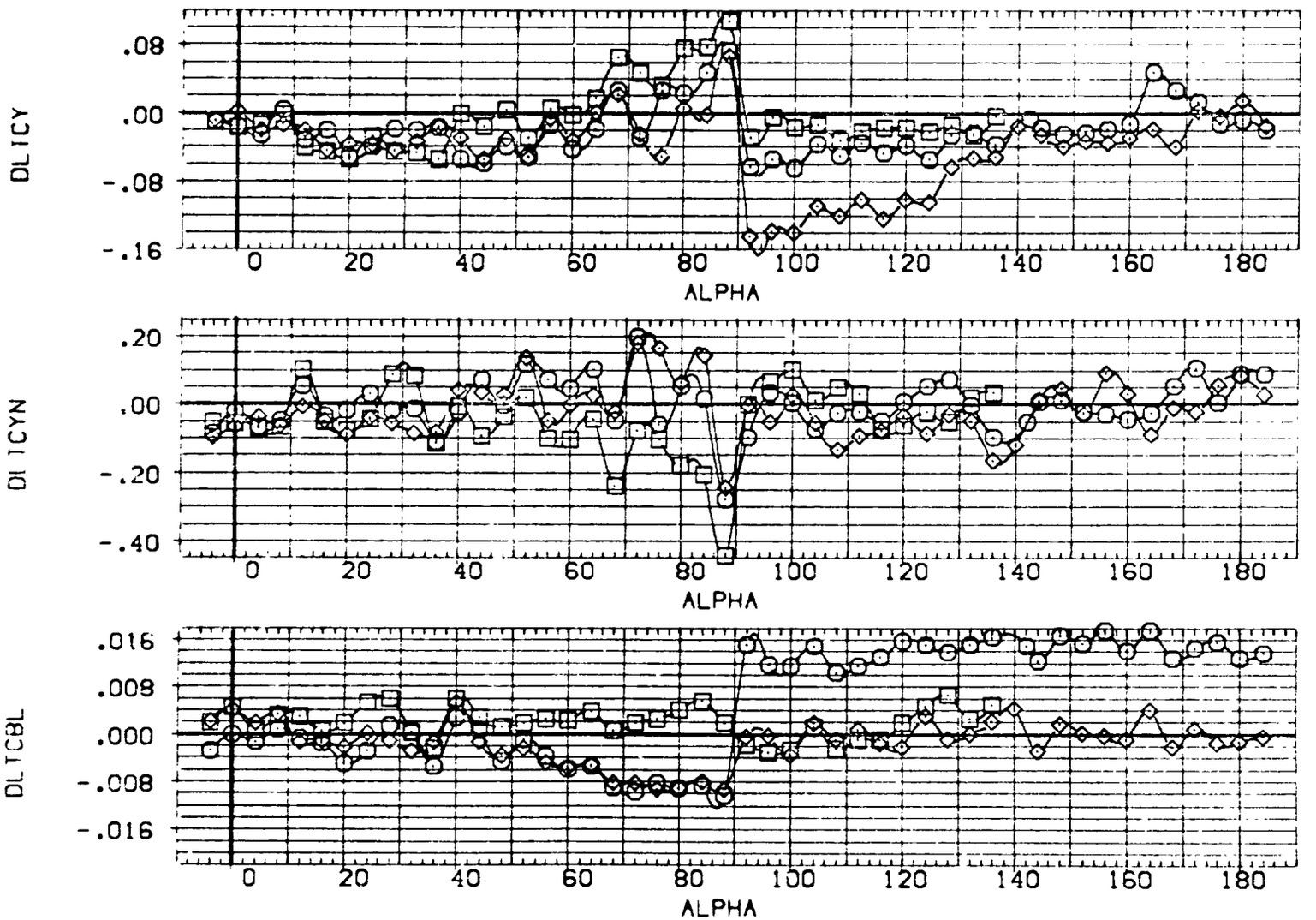
INCREMENTAL DATA FROM COMPARISON OF TWO AND EIGHT-ENGINE SHROUD STRAKES

(B)MACH = 2.70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(EGE,119)		LEWIS T-035 SA6F 142-IN SRB
(EGE,120)		LEWIS T-035 SA6F 142-IN SRB
(EGE,128)		LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTRNG	ENGSTK
.000	.000	1.000	8.000
22.500	.000	1.000	8.000
90.000	.000	1.000	2.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



INCREMENTAL DATA FROM COMPARISON OF TWO AND EIGHT-ENGINE SHROUD STRAKES

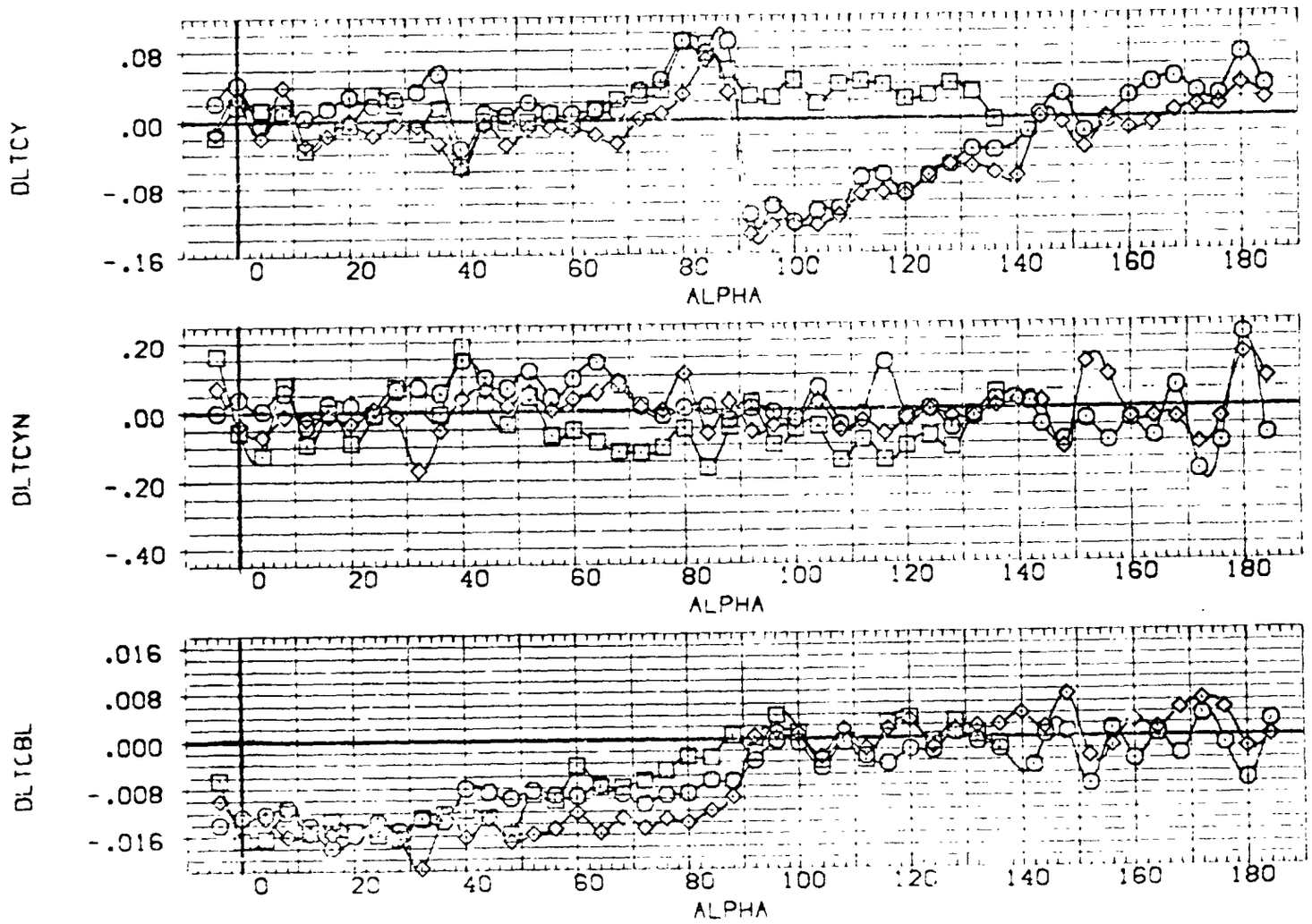
(A)MAC 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

PHI	BETA	ATTRNG	ENGSTK
.000	.000	1.000	8.000
22.500	.000	1.000	8.000
90.000	.000	1.000	2.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



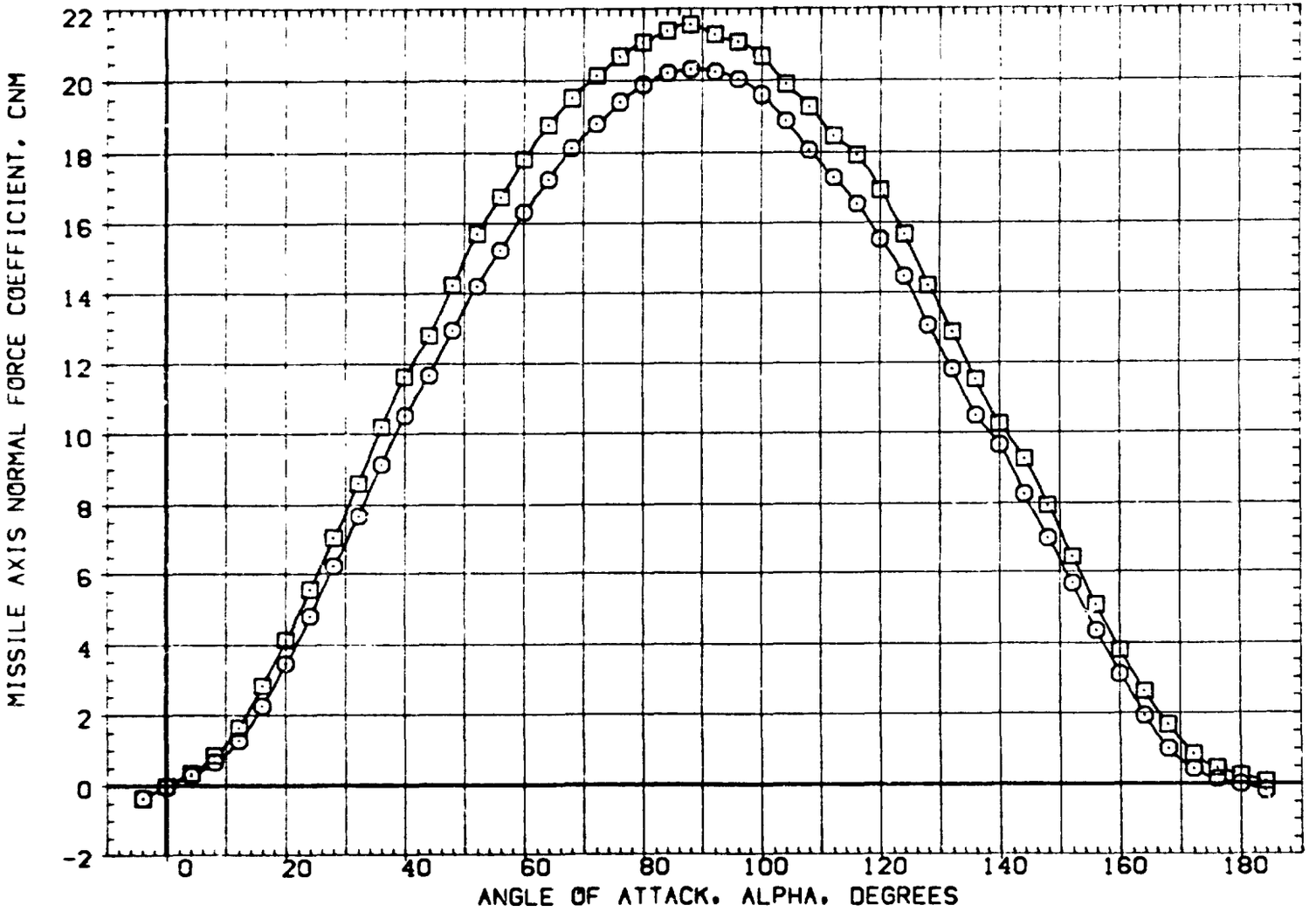
INCREMENTAL DATA FROM COMPARISON OF TWO AND EIGHT-ENGINE SHROUD STRAKES

(BOMAC- F 2.70

DATA SET S		CONFIGURATION DESCRIPTION
(GGE(C))	○	LEWIS T-035 SAWF 142-IN SRB
(GGE(D))	□	LEWIS T-035 SAGF 142-IN SRB

PHI	BETA	ATTRNG	ALPROT
.000	.000	1.000	.000
90.000	.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.02:1	



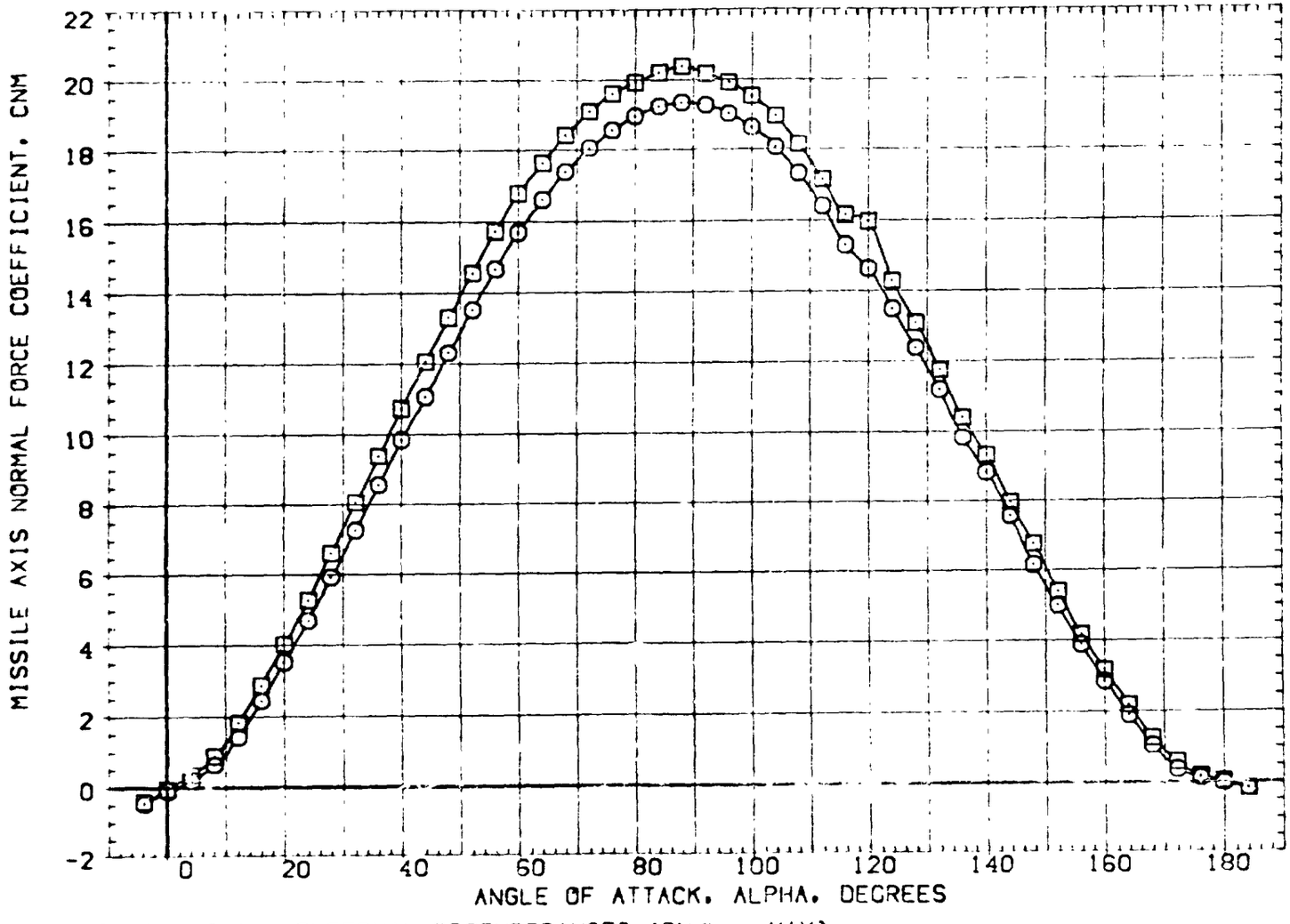
EFFECT OF ALL EXTERNAL PROTUBERANCES (RN/L = MAX)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(GGE101)	○	LEWIS T-035 SAGF 142-IN SRB
(GGE133)	□	LEWIS T-035 SAGF 142-IN SRB

PHI	BETA	ATTRNG	ALPROT
.000	.000	1.000	.000
90.000	.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



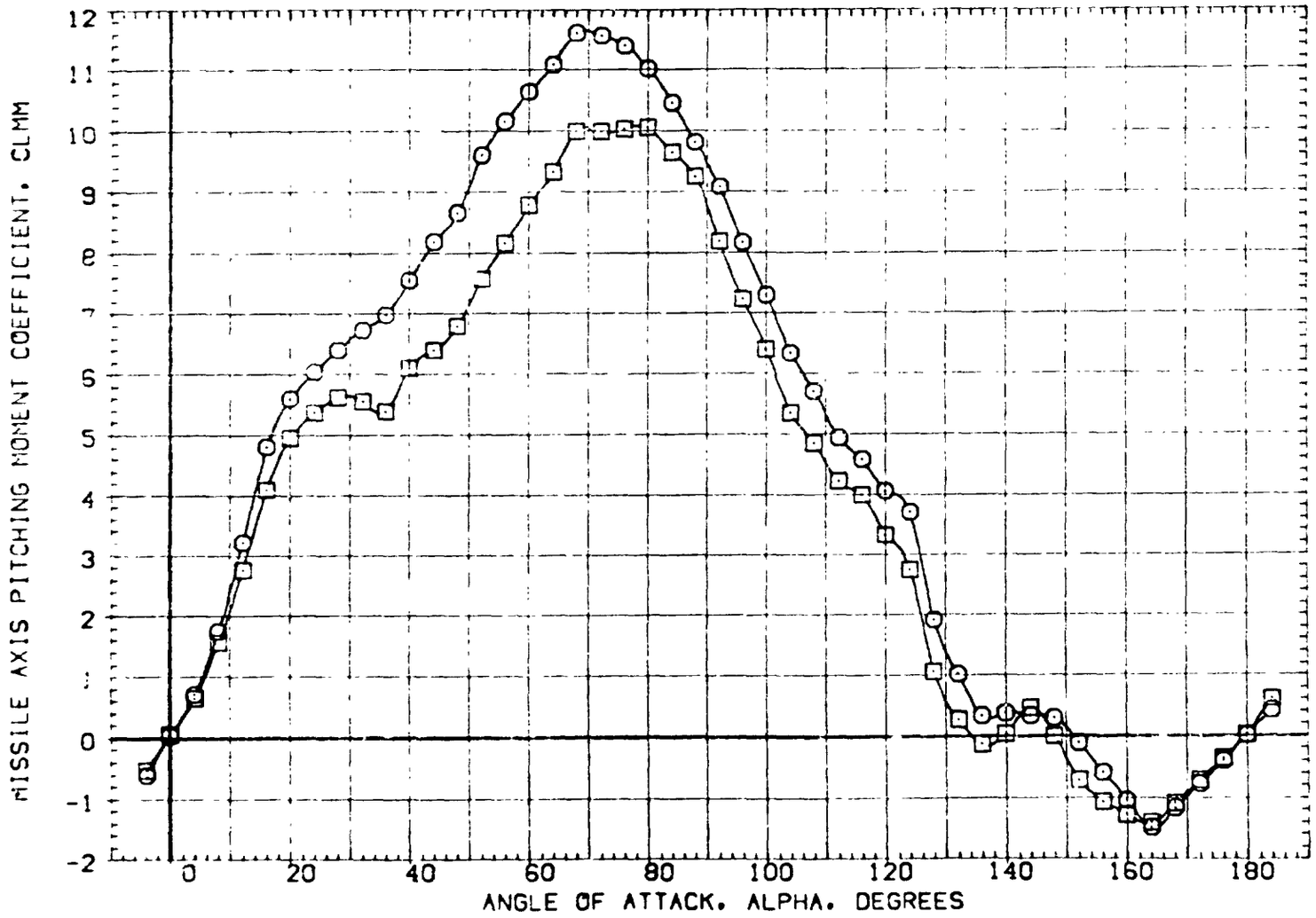
EFFECT OF ALL EXTERNAL PROTUBERANCES (RN/L = MAX)

(B)MACH = 2.70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RGE101)	□	LEWIS T-035 SA6F 142-IN SRB
(SSE133)	□	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTRNG	ALFROT
.000	.000	1.000	.000
90.000	.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



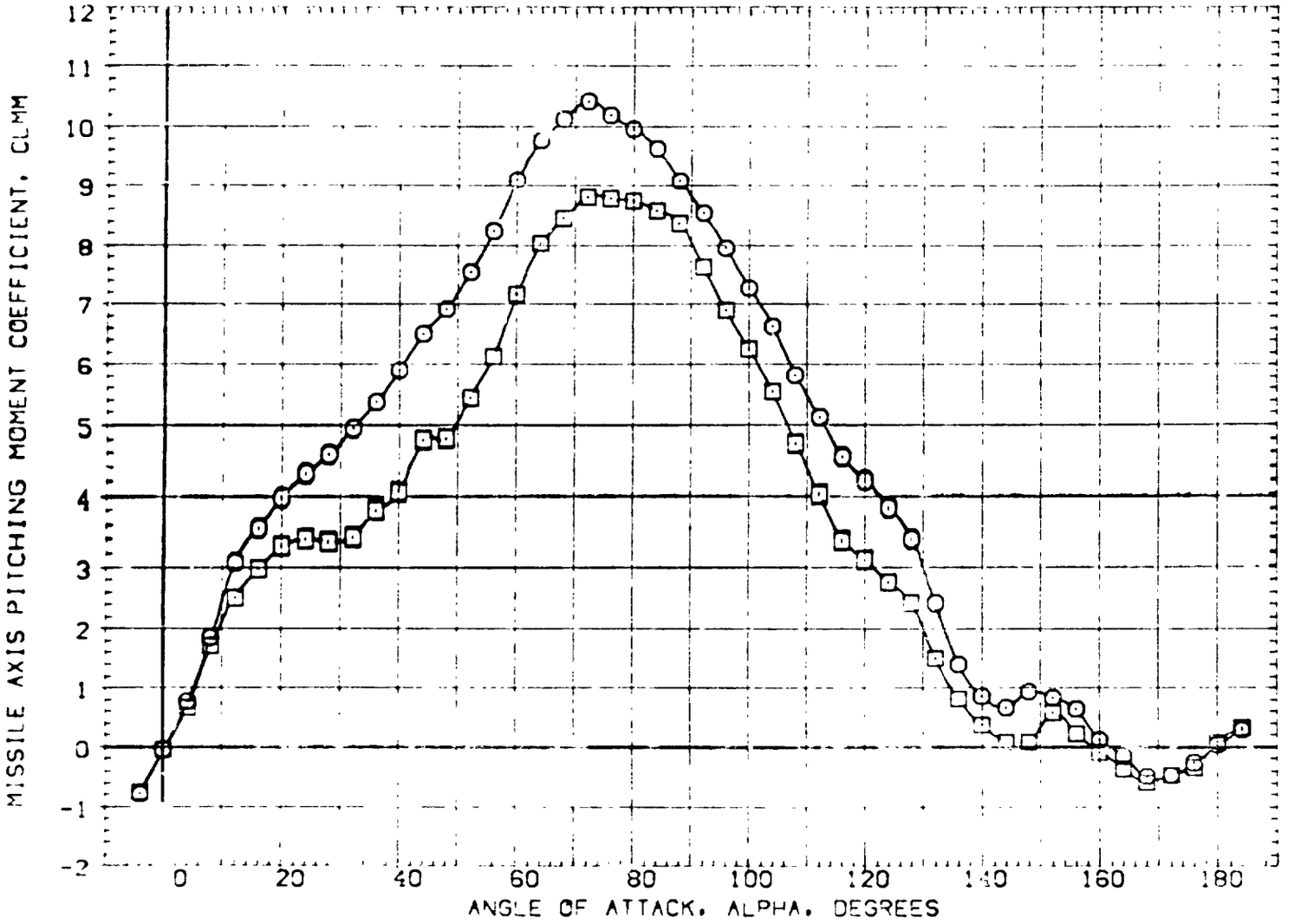
EFFECT OF ALL EXTERNAL PROTUBERANCES (RN/L = MAX)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(SSE101)	□	LEWIS T-035 SABF 142-IN SR3
(SSE133)	▽	LEWIS T-035 SABF 142-IN SR8

PHI	BETA	ATTRNG	ALPROT
.000	.000	1.000	.000
90.000	.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



EFFECT OF ALL EXTERNAL PROTUBERANCES (RN/L = MAX)

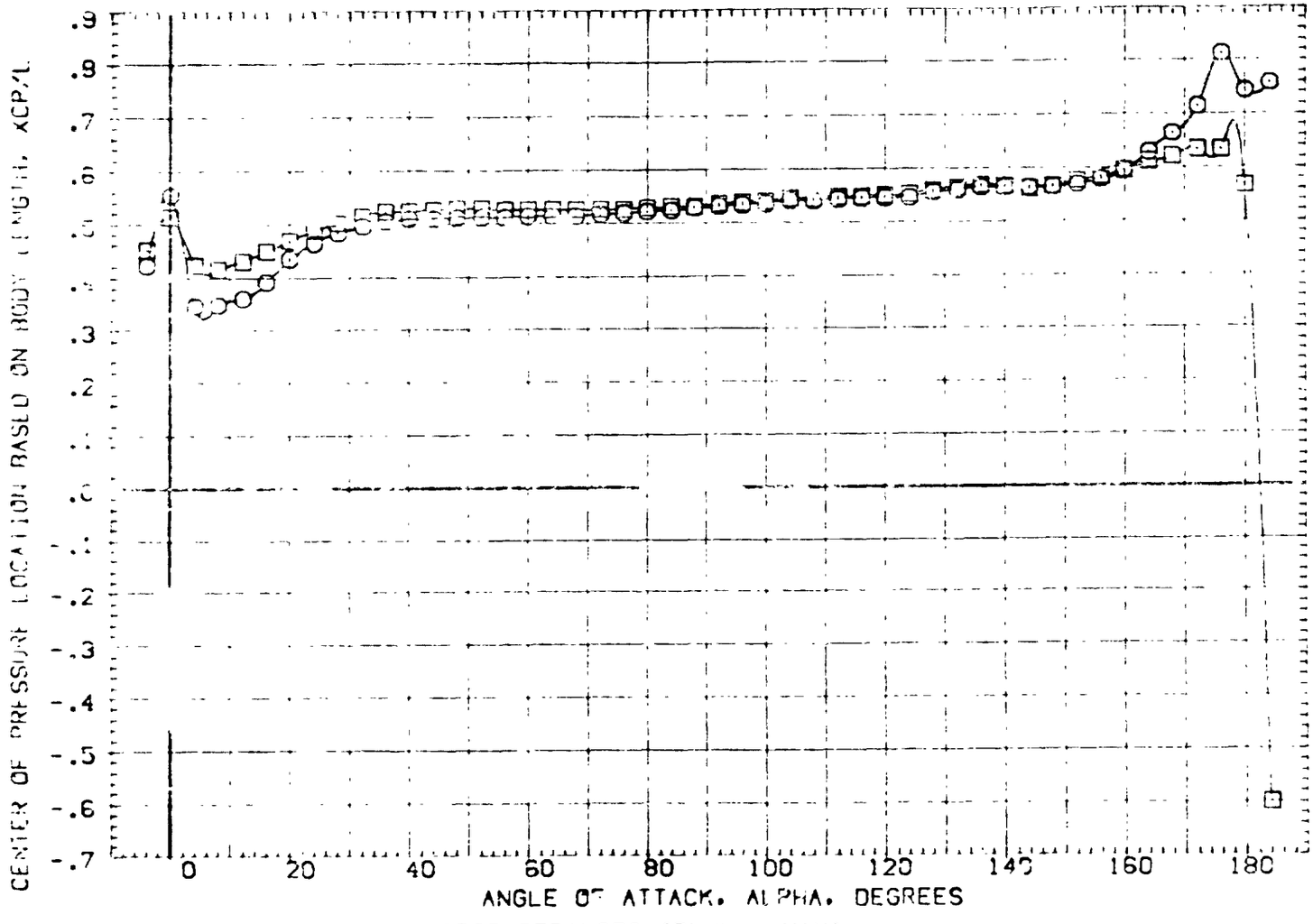
(B)MACH = 2.70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(GE(01)	□	LEWIS Y-035 SAGE 142-IN SRB
(GE(33)		LEWIS Y-035 SAGE 142-IN SRB

PHI	BETA	A RNG	ALPROT
.000	.000	1.000	.000
90.000	.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0686	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	2.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



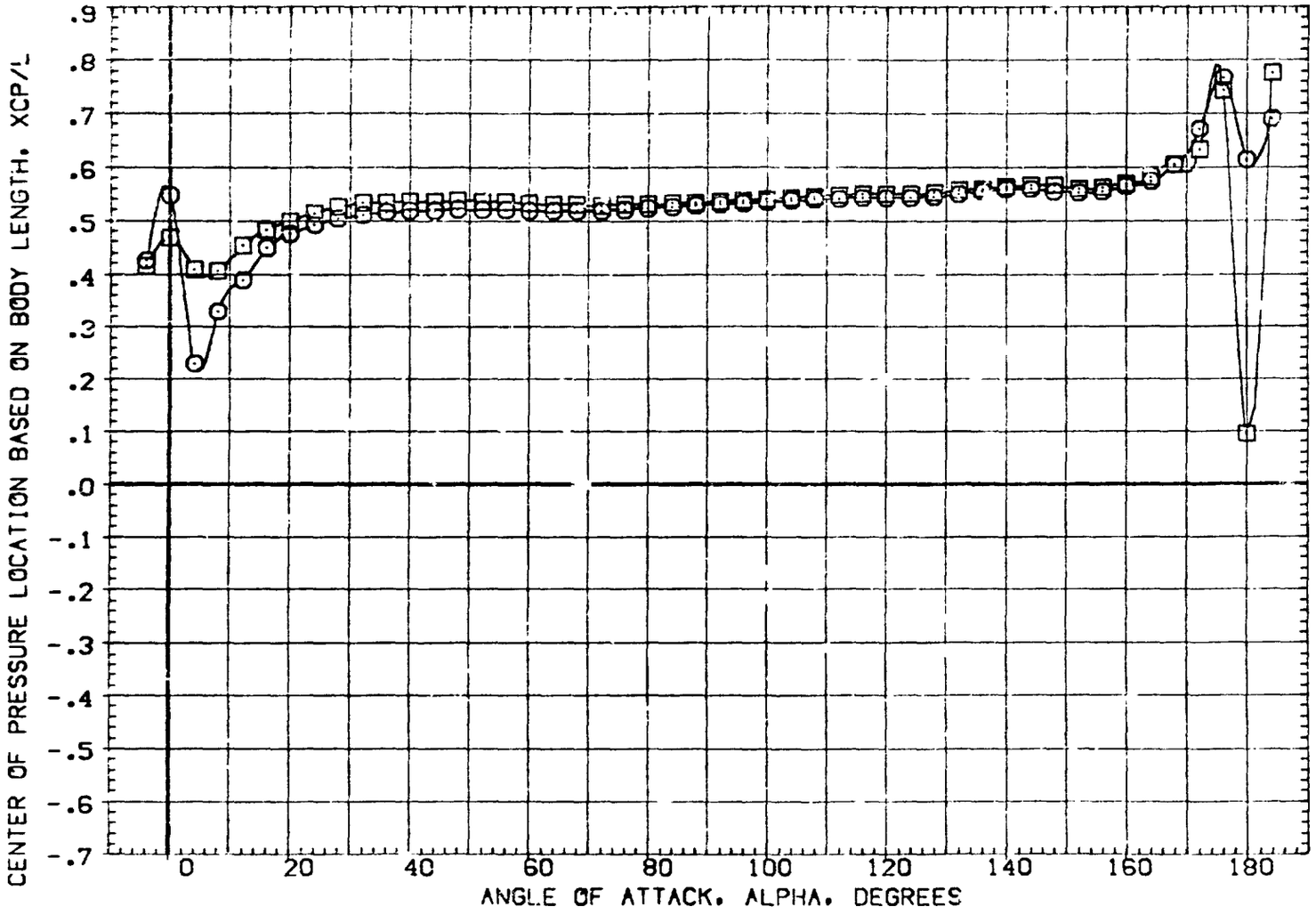
EFFECT OF ALL EXTERNAL PROTUBERANCES (RN/L = MAX)

(A)MACH 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ALFROT
(GGE101)	○	LEWIS T-035 SA6F 142-IN SRB	.000	.000	1.000	.000
(GGE133)	□	LEWIS T-035 SA6F 142-IN SRB	90.000	.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.	SQ.IN.
LREF	3.	IN.
BREF	9.	IN.
XMRP	1.8340	IN.
YMRP	.0000	IN.
ZMRP	.	IN.
SCALE	.0211	



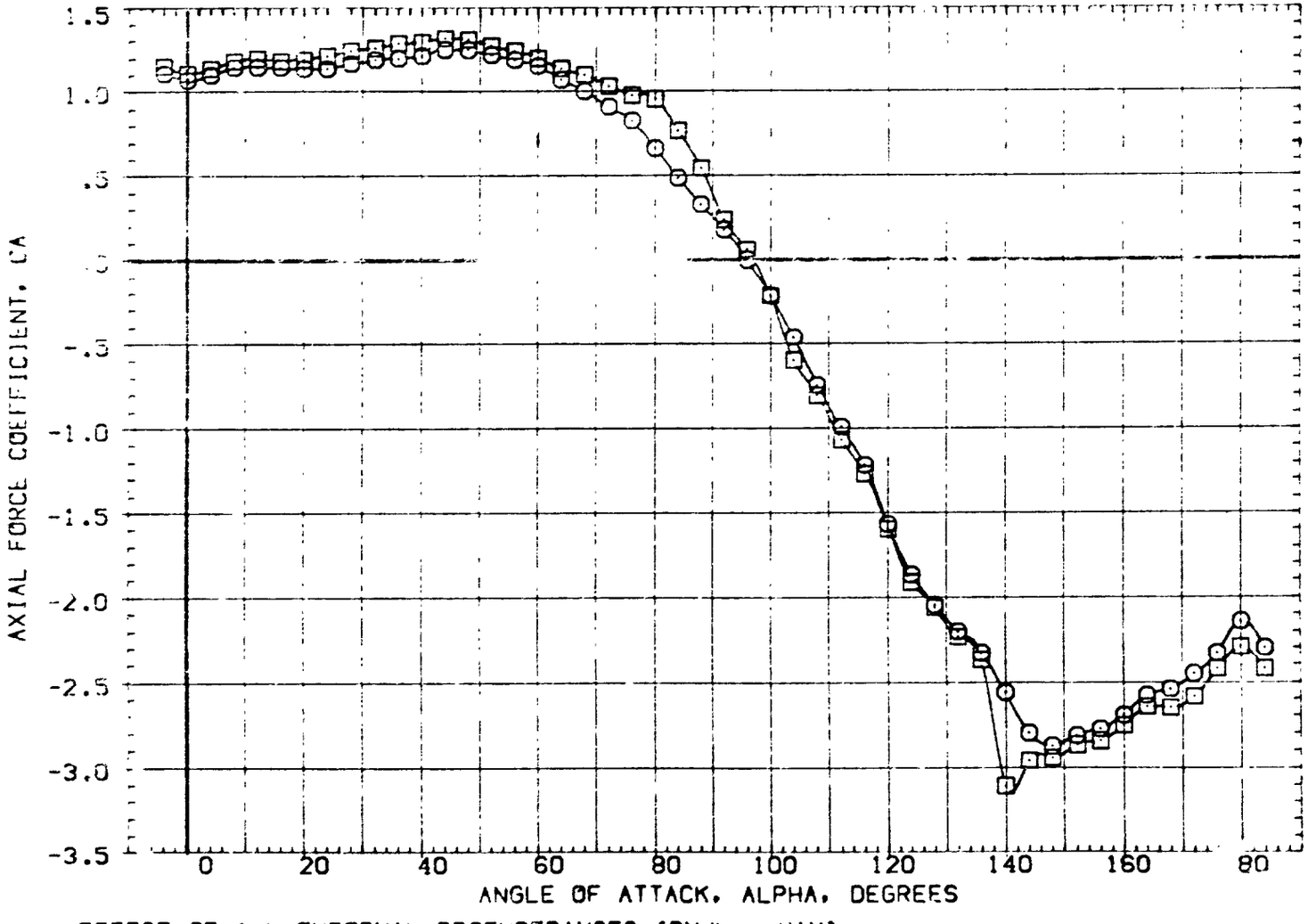
EFFECT OF ALL EXTERNAL PROTUBERANCES (RN/L = MAX)

(3)MACH = 2.70

DATA SET S		CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ALPROT
(SSE(1))	□	LEWIS T-035 SASF 142-IN SRB	.000	.000	1.000	.000
(SSE(3))		LEWIS T-035 SASF 142-IN SRB	90.000	.000	1.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	IN./IN.



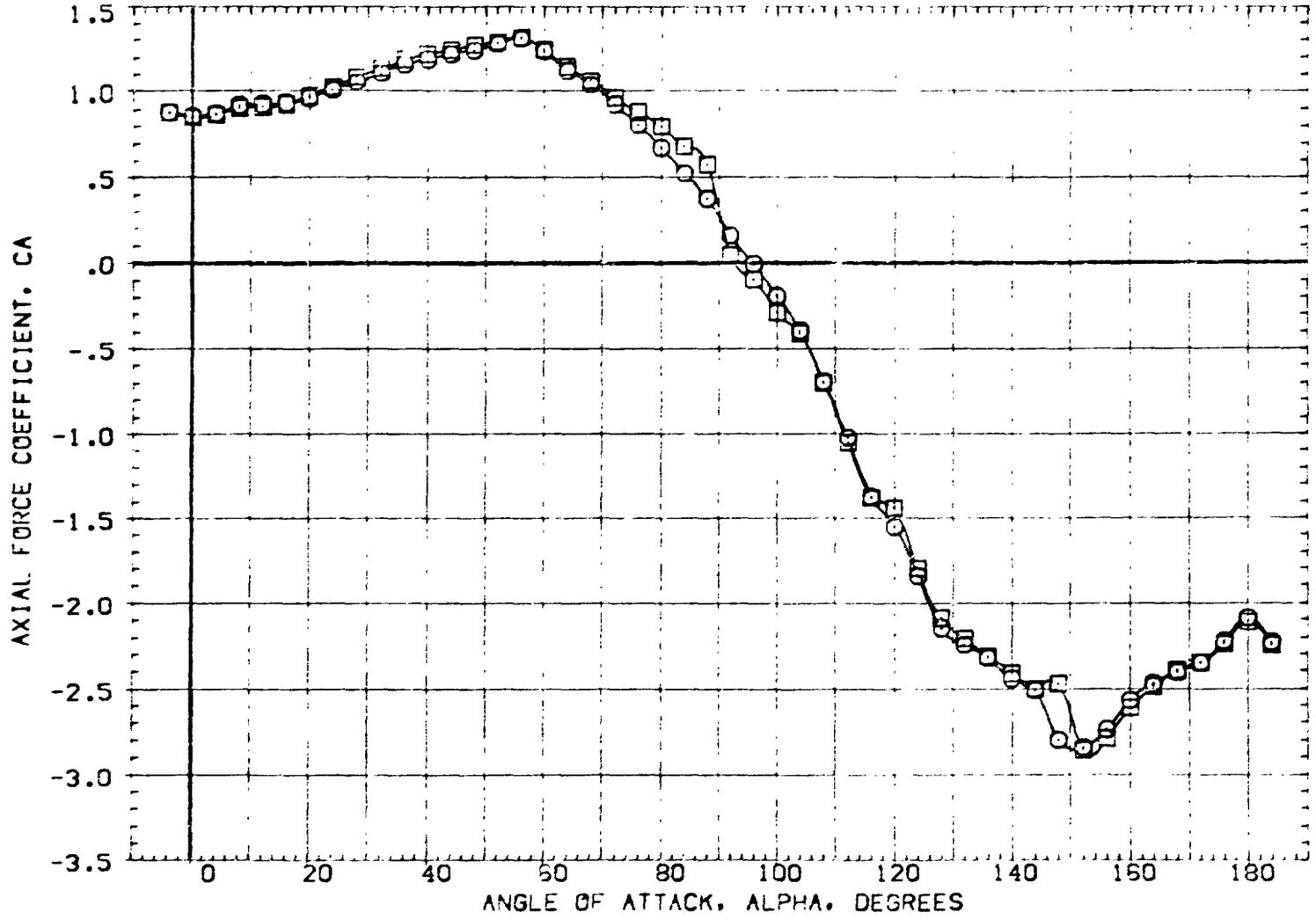
EFFECT OF ALL EXTERNAL PROTUBERANCES (RN/L = MAX)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(3GE10.)	○	LEWIS T-035 SA6F 142-IN SRB
(3GE133)	□	LEWIS T-035 SA6F 142-IN SRB

PHI	BETA	ATTRNG	ALPROT
.000	.000	1.000	.000
90.000	.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



EFFECT OF ALL EXTERNAL PROTUBERANCES (RN/L = MAX)

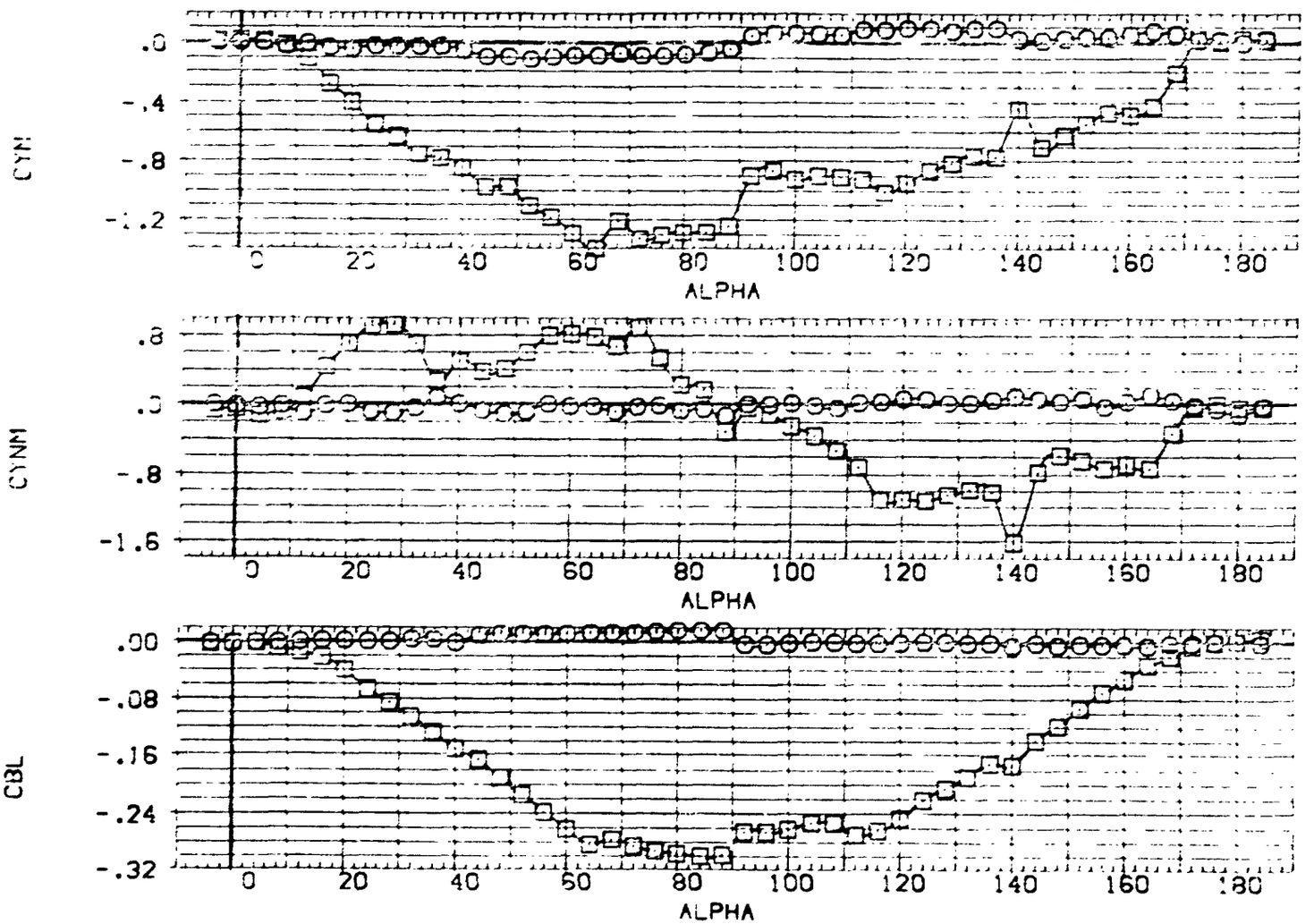
(B)MACH = 2.70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(GGE101)	□	LEVIS T-035 SAGF 142-IN SRB
(GGE139)	□	LEVIS T-035 SAGF 142-IN SRB

PHI	BETA	ATTRNG	ALPROT
.000	.000	.000	.000
90.000	.000	.000	1.000

REFERENCE INFORMATION

	7.	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.834	IN.
YMRP	.000	IN.
ZMRP	.0000	IN.
SCALE	.02	

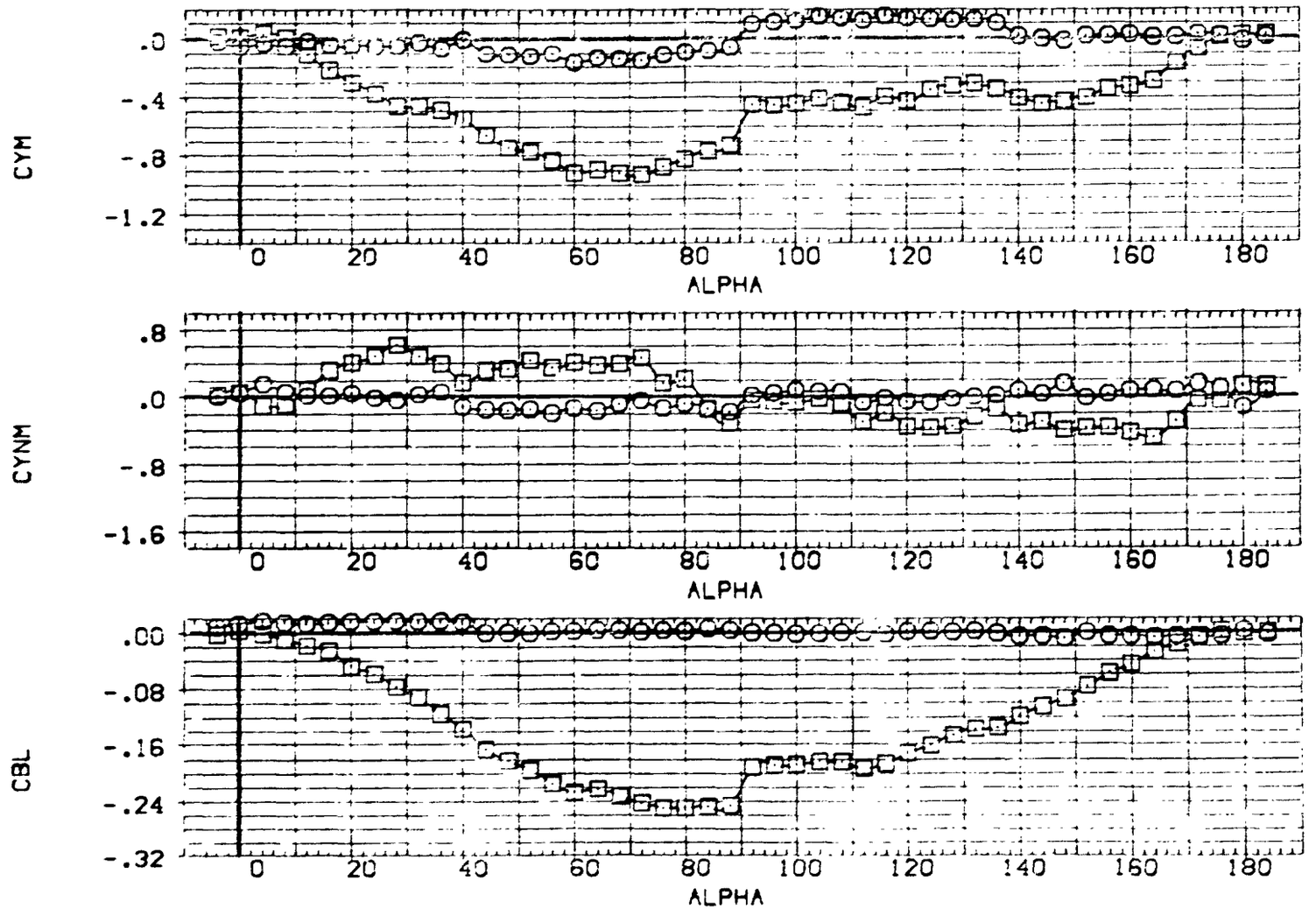


EFFECT OF ALL EXTERNAL PROTUBERANCES (RN/L = MAX)

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ALPROT
(GGE101)	○	LEWIS T-035 SA6F 142-IN SRB	.000	.000	1.000	.000
(GGE133)	□	LEWIS T-035 SA6F 142-IN SRB	90.000	.000	1.000	1.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.0000	IN.
SCALE	.0211	



EFFECT OF ALL EXTERNAL PROTUBERANCES (RN/L = MAX)

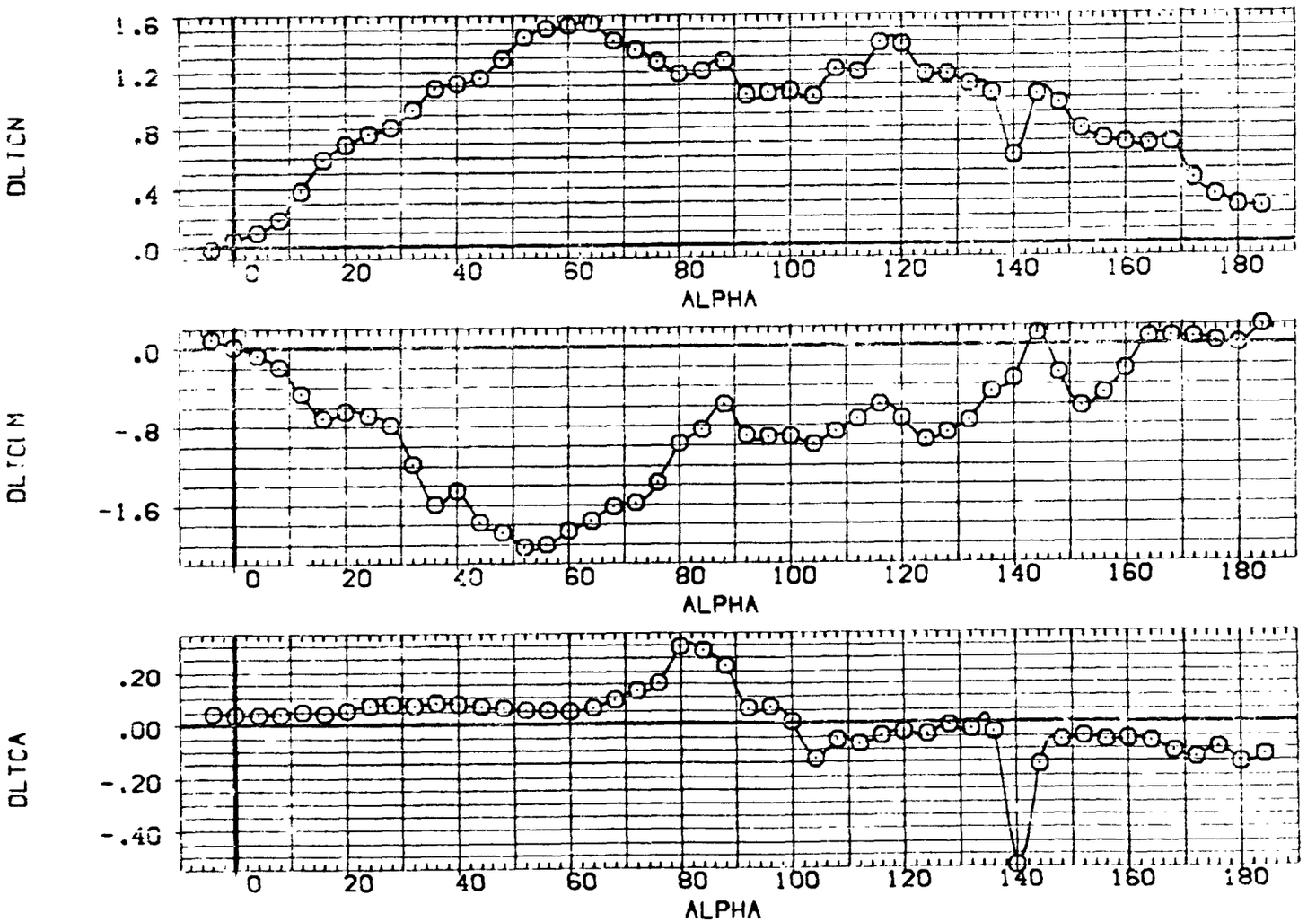
(B)MACH = 2.70

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(EGE133) ○ LEVIS T-035 SAGF 142-IN SRB

PHI	BETA	ATTRNG
90.000	.000	1.000

REFERENCE INFORMATION

SREF	7.0696	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



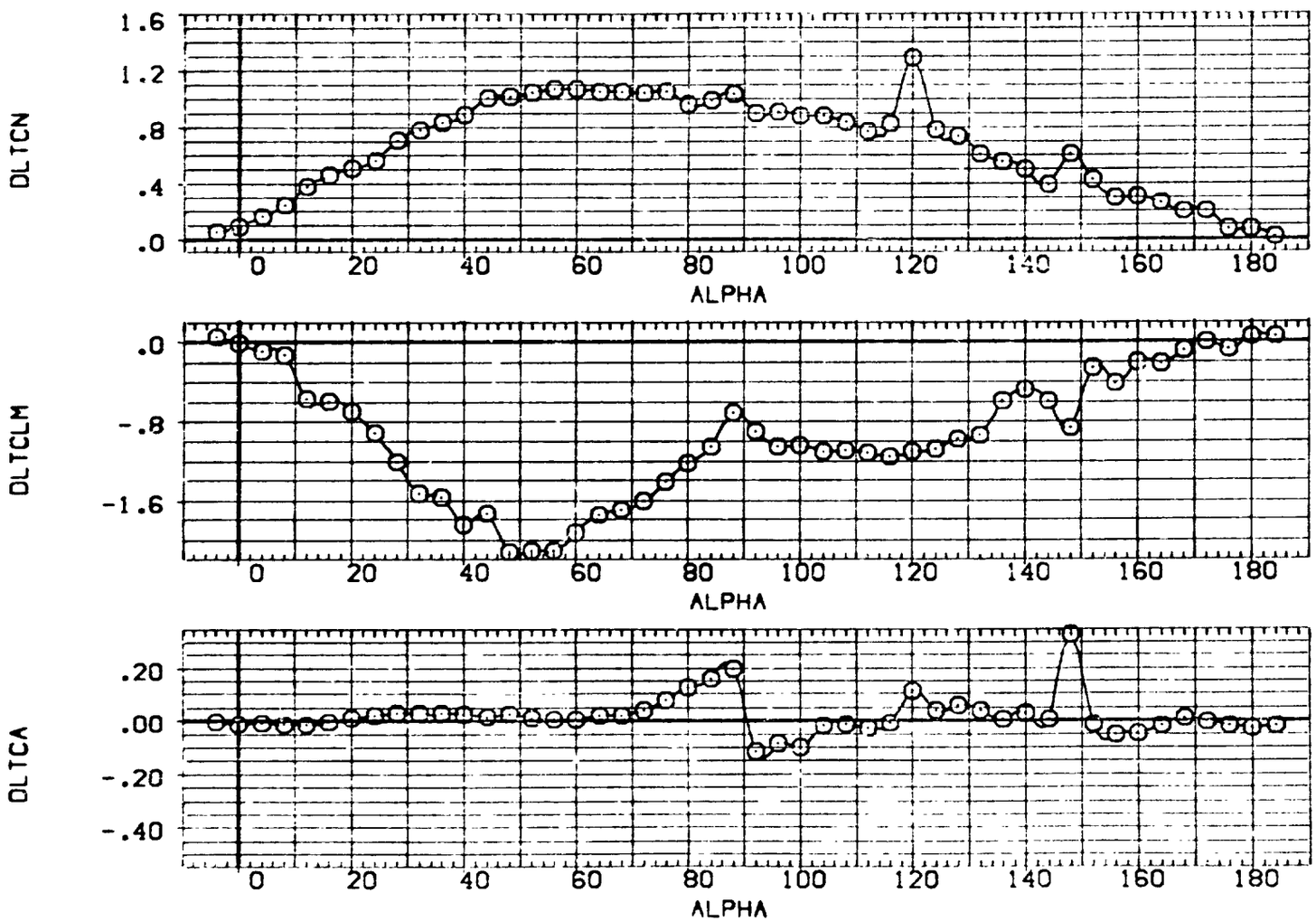
INCREMENTAL EFFECT OF ALL EXTERNAL PROTUBERANCES (RN/L= MAX)

(A)MACH = 2.00

DATA SET SYMBOL	IGURATION DESCRIPTION	PHI	BETA	ATTRNG
(EGE133) ○	LEWIS T-035 SABF 142-IN SRB	90.000	.000	1.000

REFERENCE INFORMATION

SREF	7.	SQ.IN.
LREF	3.	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.0000	IN.
SCALE	.021	



INCREMENTAL EFFECT OF ALL EXTERNAL PROTUBERANCES (RN/L= MAX)

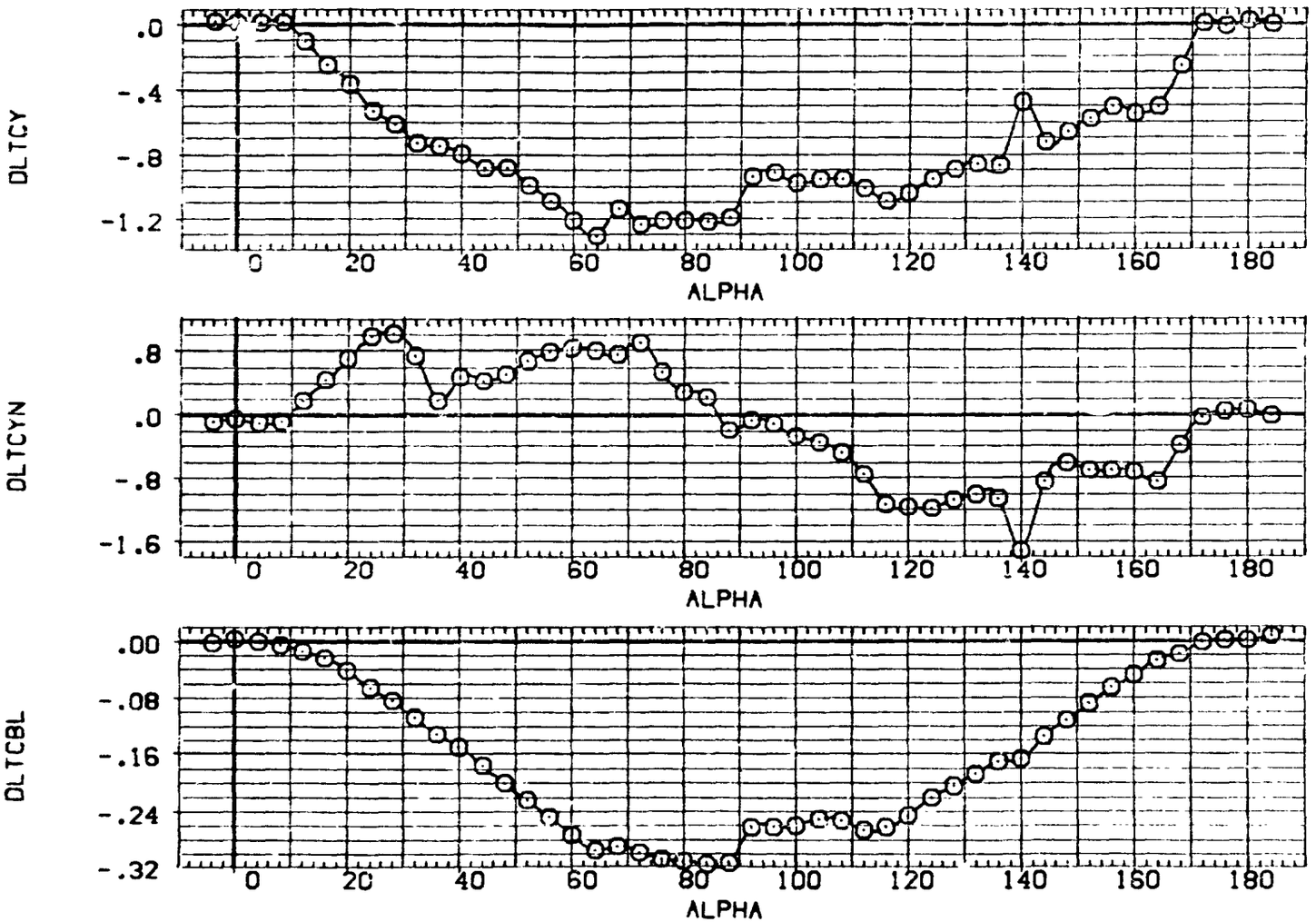
(B)MACH = 2.70

DATA SET S' BOL CONFIGURATION DESCRIPTION
(EGE133) ○ LEWIS T-035 142-IN

PHI	BETA	ATTRNG
90.000	.000	1.000

REFERENCE INFORMATION

SREF	7.0690	SQ.IN.
LREF	3.	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



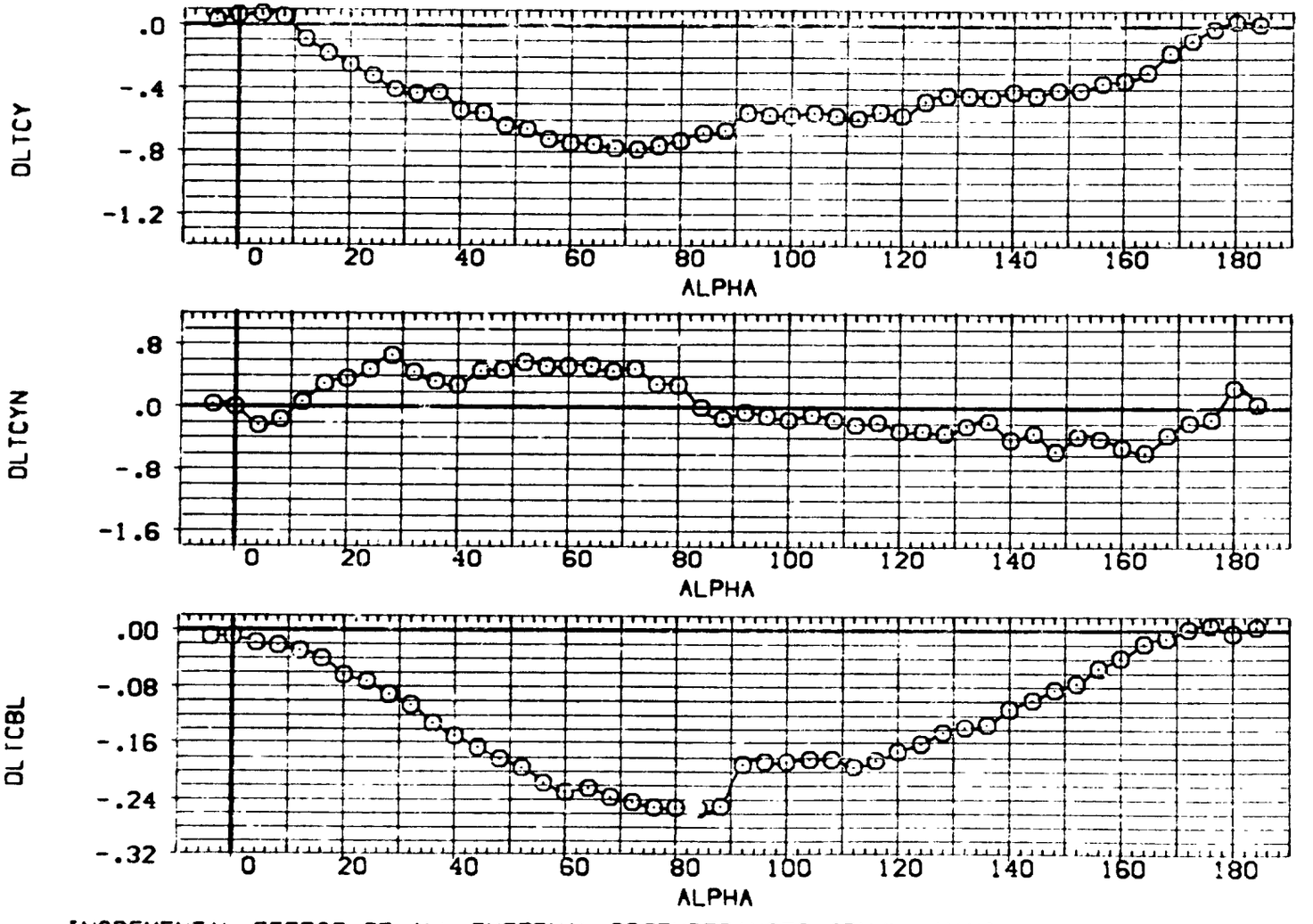
INCREMENTAL EFFECT OF ALL EXTERNAL PROTUBERANCES (RN/L= MAX)

(A)MACH = 2.00

DATA SET S	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG
[EGE133] ○	LEVIS T-035 SAGF 142-IN	90.	.	1.000

REFERENCE INFORMATION

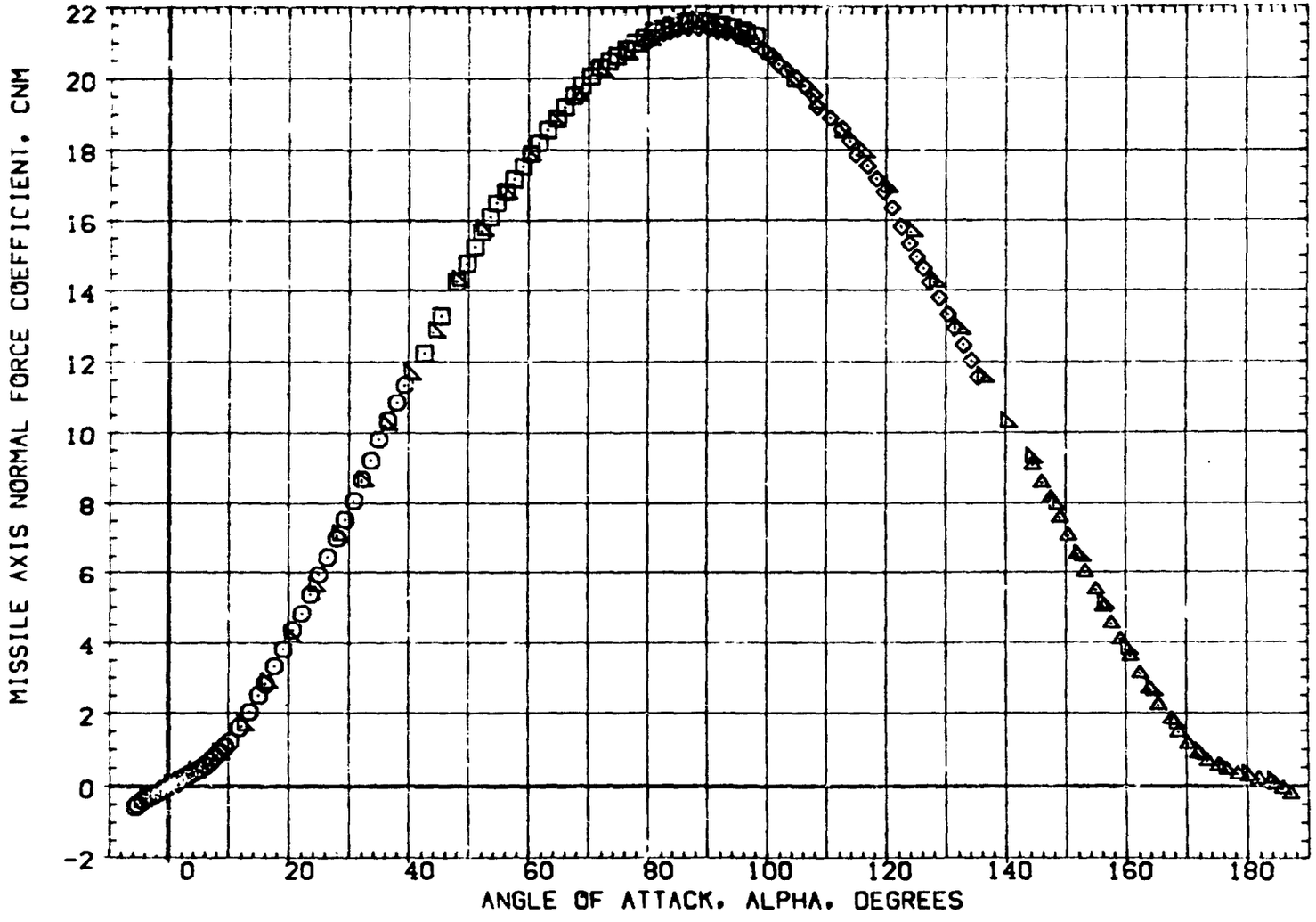
SREF	7.	SQ.IN.
LREF	3.	IN.
BREF	3.	IN.
	20.8340	IN.
YMRP	.	IN.
ZMRP	.	IN.
SCALE	.0211	



INCREMENTAL EFFECT OF ALL EXTERNAL PROTUBERANCES (RN/L= MAX)

(B)MACH = 2.70

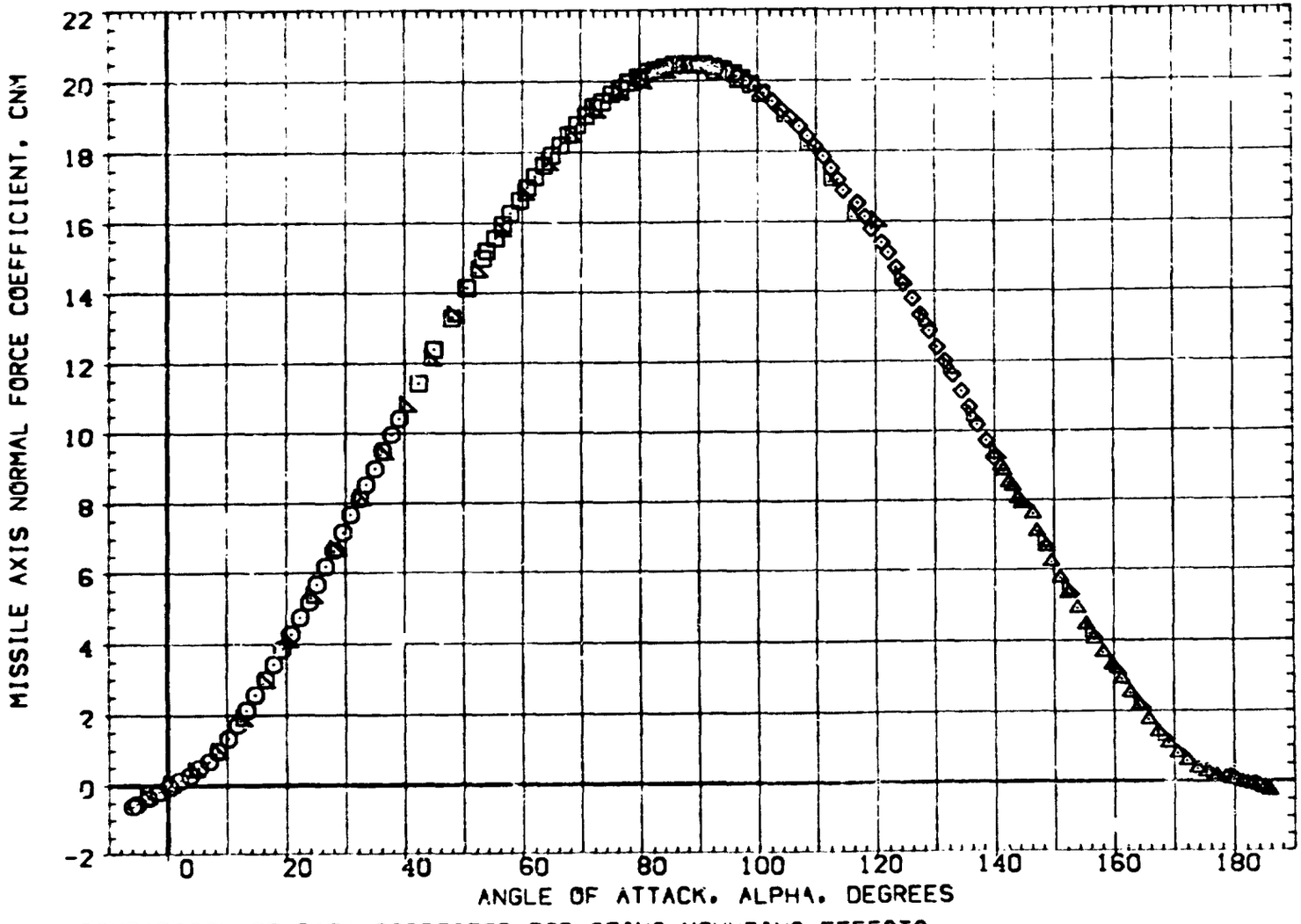
DATA SET S		CONFI TION DESCRIPTION		PHI	BETA	ATTRNG	ENGSTK	REFERENCE INFORMATION		
(CGE033)	◻	LEWIS T-035 SA6F 142-IN .(TAIL TED)		90.000	.000	1.000	.000	SREF	7.0690	SQ.IN.
(CGE036)	△	LEWIS T-035 SA6F 142-IN SRB.(SIDE TED)		90.000	.000	1.000	.000	LREF	3.	IN.
(CGE037)	○	LEWIS T-035 SA6F 142-IN SRB.(SIDE MOUNTED)		90.000	.000	1.000	.000	BREF	3.	IN.
(CGE040)	▽	LEWIS T-035 SA6F 142-IN SRB.(MOUNTED	L)	90.000	.000	1.000	.000	XMRP	20.8340	IN.
(GGE133)	◇	LEWIS T-035 SA6F 142-IN SRB		90.000	.000	1.000	.000	YMRP	.	IN.
									.	IN.
								SCALE	.0211	



COMPARISON OF DATA CORRECTED FOR STING MOUNTING EFFECTS

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK	REFERENCE INF	TION
(CGEO33)		LEWIS T-035 SA6F 142-IN SRB,(TAIL TED CL)	90.	.000	1.000	.000	SREF 7.	SQ.IN.
(CGEO36)		LEWIS T-035 SA6F 142-IN SRB,(SIDE TED CL)	90.	.000	1.000	.000	LREF 3.	IN.
(CGEO37)		LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED MODEL)	90.000	.000	1.000	.000	BREF 3.	IN.
(CGEO40)		LEWIS T-035 SA6F 142-IN SRB,(NOSE TED CL)	90.000	.000	1.000	.000	XMRP 20.8340	IN.
(GE133)		LEWIS T-035 SA6F 142-IN SRB	90.000	.000	1.000	.000	YMRP .	IN.
							SCALE .0211	IN.

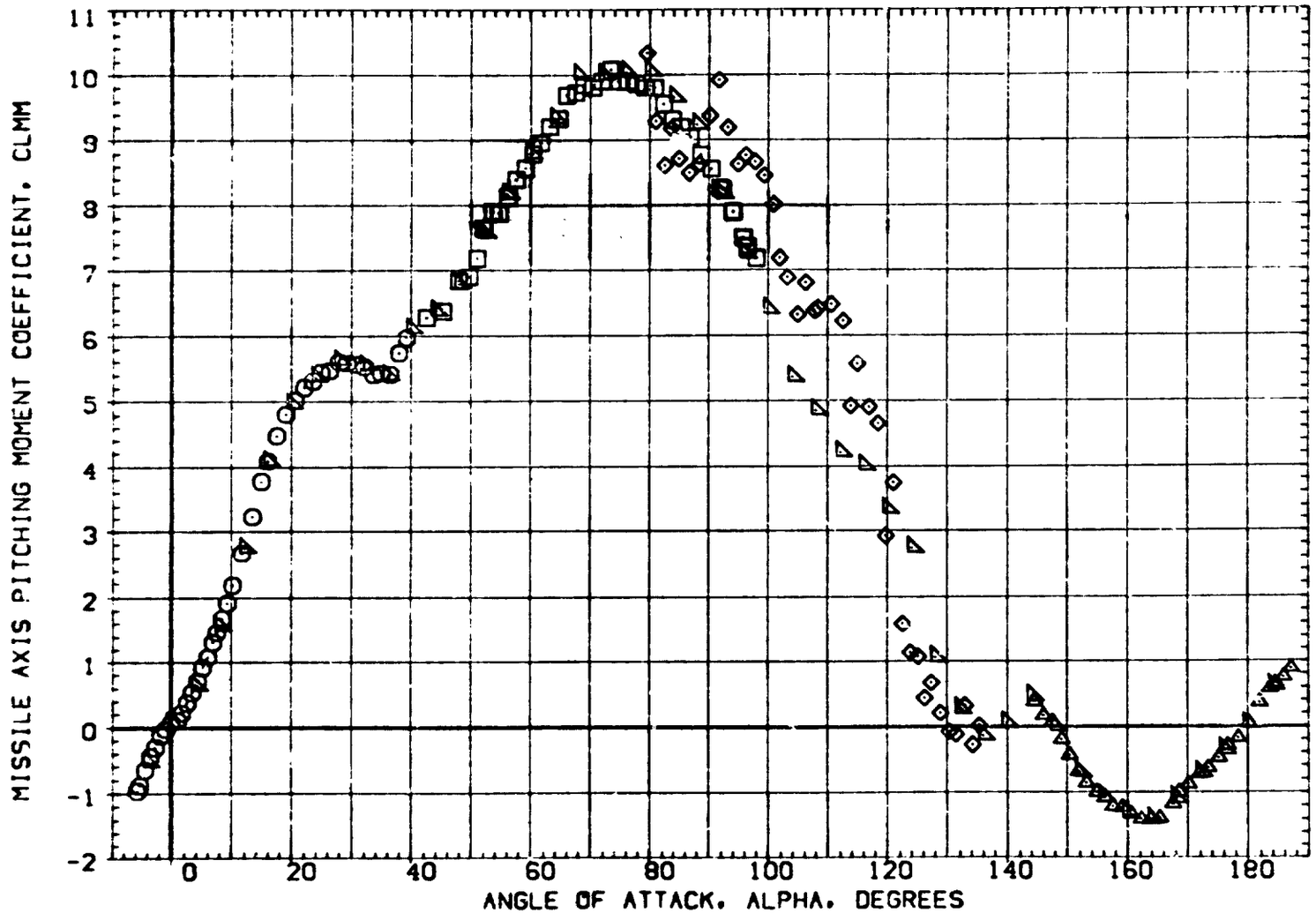


COMPARISON OF DATA CORRECTED FOR STING MOUNTING EFFECTS

(B)MACH = 2.68

DATA SET S		CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(CGE033)	□	LEWIS T-035 142-IN .(TAIL TED)	90.	.000	1.000	.000
(CGE036)	○	LEWIS T-035 SA6F 142-IN SRB.(SIDE TED)	90.000	.000	1.000	.000
(CGE037)	△	LEWIS T-035 SA6F 142-IN SRB.(SIDE MOUNTED L)	90.000	.000	1.000	.600
(CGE040)	◇	LEWIS T-035 SA6F 142-IN SRB.(NOSE TED L)	90.000	.000	1.000	.000
(CGE133)	▽	LEWIS T-035 SA6F 142-IN SRB	90.000	.000	1.000	.000

REFERENCE INFORMATION		
SREF	7.	SQ.IN.
LREF	3.	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.	IN.
SCALE	.0211	

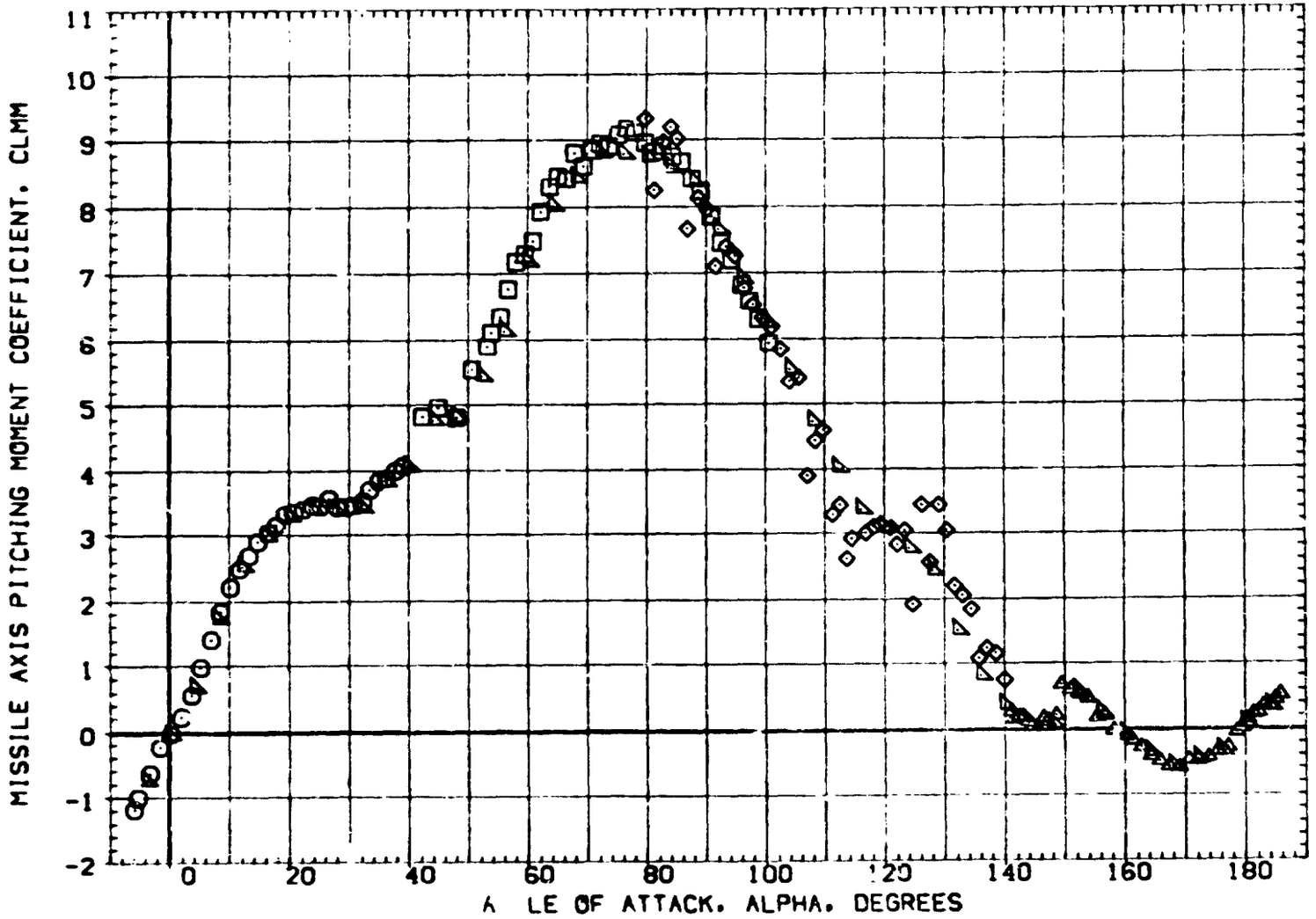


COMPARISON OF DATA CORRECTED FOR STING MOUNTING EFFECTS

(A)MACH = 2.00

DATA SET SY		IGURATION DESCRIPTION	PHI	BETA	ATTRNG	TK
(DGE033)	□	LEWIS Y-035 SA6F 142-IN SRB.(TAIL TED L)	90.	.000	1.000	.000
(DGE036)	△	LEWIS Y-035 SA6F 142-IN SRB.(SIDE MOUNTED MODEL)	90.000	.000	1.000	.000
(DGE037)	◇	LEWIS Y-035 SA6F 142-IN SRB.(SIDE MOUNTED MODEL)	90.000	.000	1.000	.000
(DGE040)	▽	LEWIS Y-035 SA6F 142-IN SRB.(MOUNTED L)	90.000	.000	1.000	.000
(DGE133)	◁	LEWIS Y-035 SA6F 142-IN SRB	90.000	.000	1.000	.000

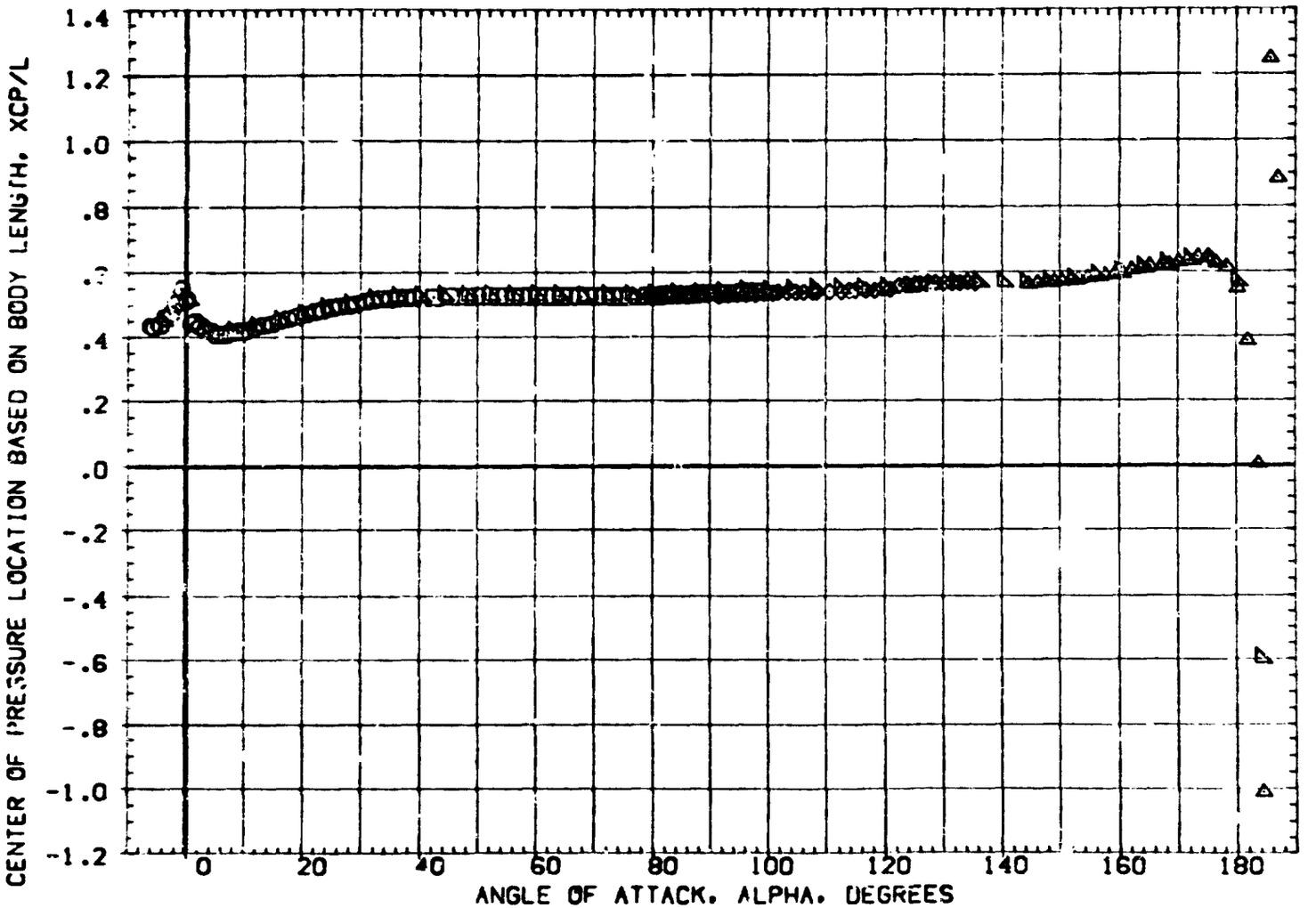
REFERENCE INFORMATION		
SREF	7.	SQ.IN.
LREF	3.0000	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.0000	IN.
SCALE	.0211	



COMPARISON OF DATA CORRECTED FOR STING MOUNTING EFFECTS

(B)MACH = 2.68

DATA SET S		I TION	IPTION			PHI	BETA	ATTMAG	ENGSTK	REFERENCE INF	TION
(CGE033)	□	LEWIS T SA6F	142-IN	:(TAIL	TED)	90.	.000	1.000	.000	SREF 7.	SQ.IN.
(CGE036)		LEWIS T-035 SA6F	142-IN	:(SIDE	TED)	90.000	.000	1.	.000	LREF 3.	IN.
(CGE037)	⊠	LEWIS T-035 SA6F	142-IN SR9.	:(SIDE	TED L)	90.000	.000	1.000	.000	3.	IN.
(CGE040)		LEWIS T-035	142-IN	:(	TED L)	90.600	.000	1.000	.000	20.8340	IN.
(CGE133)	△	LEWIS T-035 SA6F	142-IN			90.000	.000	1.000	.000	YMRP .	IN.
										.	IN.
										SCALE .0211	

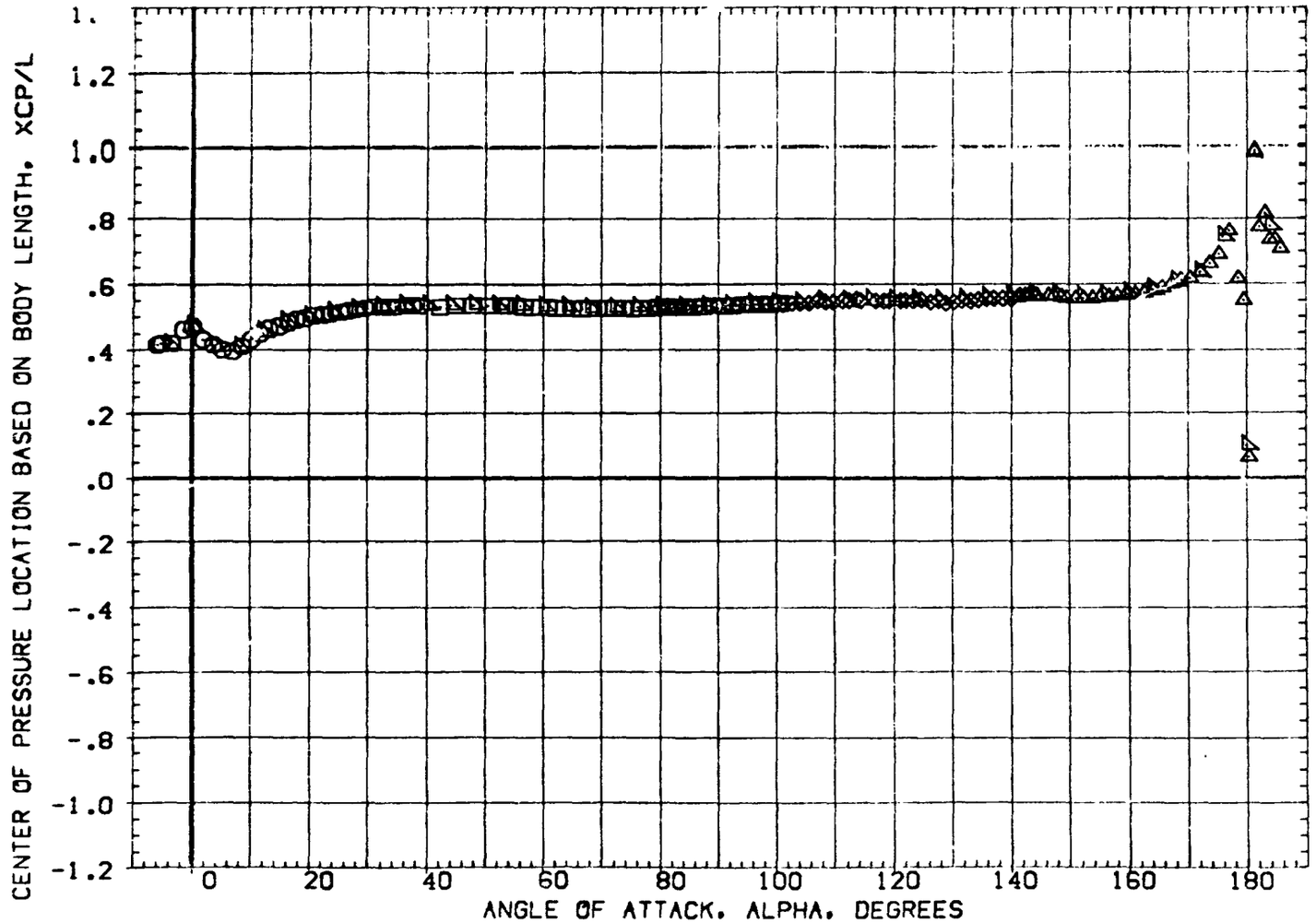


COMPARISON DATA CORRECTED FOR STING MOUNTING EFFECTS

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(CGF033)	□	LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED L)	90.000	.000	1.000	.000
(CGE036)	◇	LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED MODEL)	90.000	.000	1.000	.000
(CGE037)	⋈	LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED MODEL)	90.000	.000	1.000	.000
(CGE040)	▽	LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL)	90.000	.000	1.000	.000
(GGE139)	△	LEWIS T-035 SA6F 142-IN SRB	90.000	.000	1.000	.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

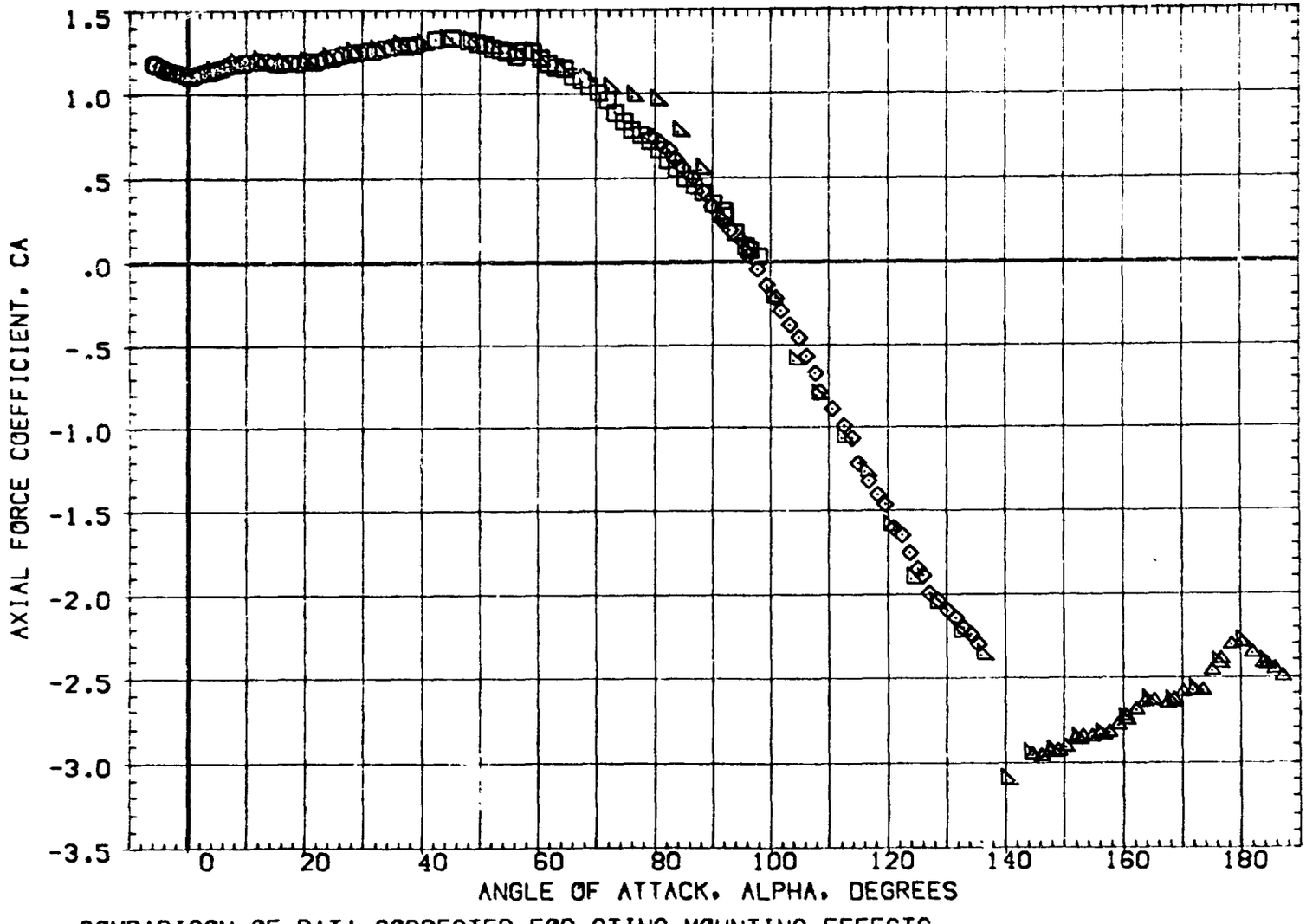


COMPARISON OF DATA CORRECTED FOR STING MOUNTING EFFECTS

(B)MACH = 2.68

DATA SET S		IGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(CGE033)	□	LEWIS T-035 SA6F 142-IN SRB.(TAIL TED)	90.000	.000	1.000	.000
(CGE036)	◇	LEWIS T-035 SA6F 142-IN SRB.(SIDE TED L)	90.000	.000	1.000	.000
(CGE037)	△	LEWIS T-035 SA6F 142-IN SRB.(SIDE MOUNTED L)	90.000	.000	1.000	.000
(CGE040)	▽	LEWIS T-035 SA6F 142-IN SRB.(MOUNTED MODEL)	90.000	.000	1.000	.000
(GGE133)	◁	LEWIS T-035 SA6F 142-IN SRB	90.000	.000	1.000	.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

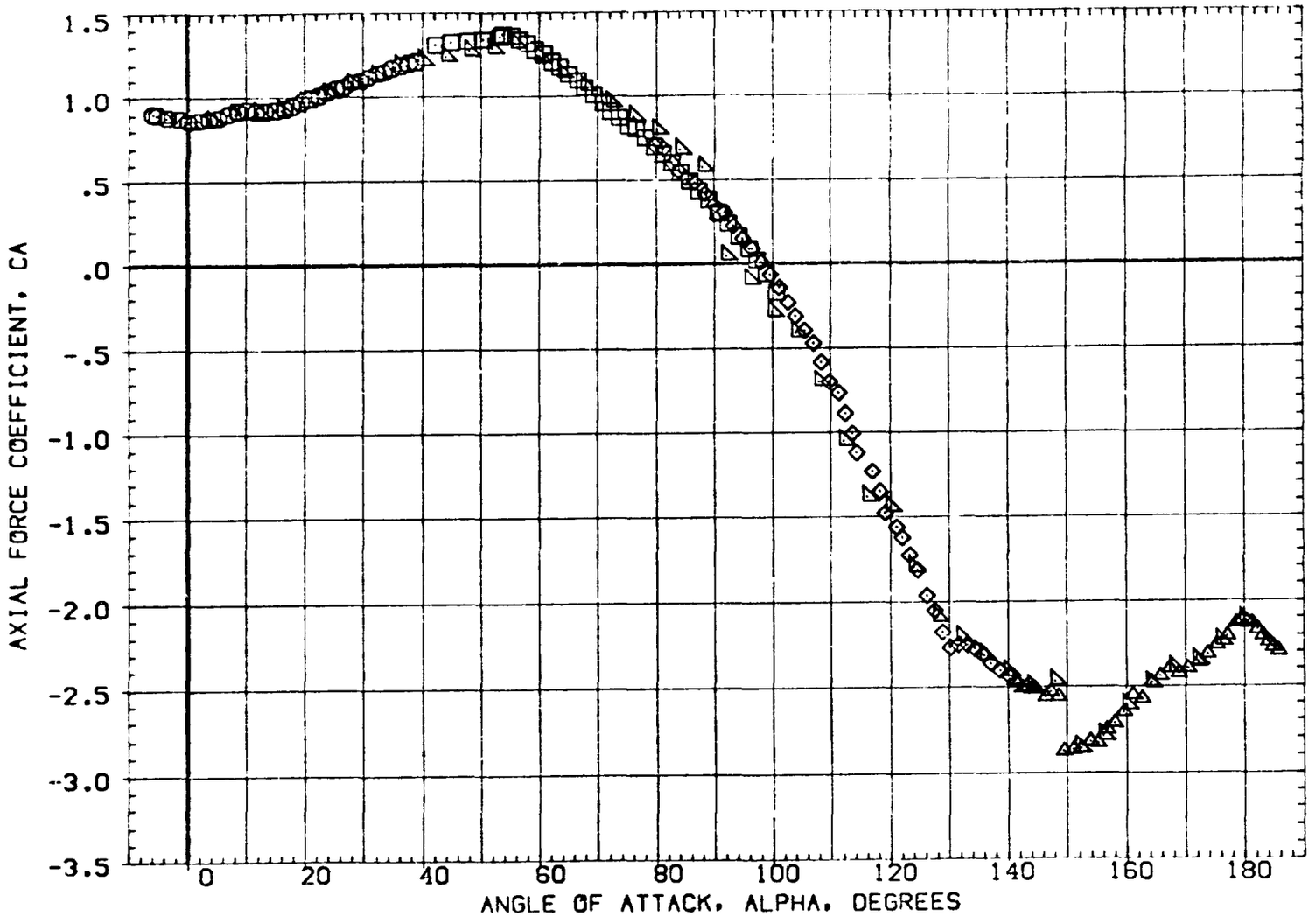


COMPARISON OF DATA CORRECTED FOR STING MOUNTING EFFECTS

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	ENGSTK
(CGE033)	○	LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED L)	90.000	.000	1.000	.000
(CGE036)	◇	LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED MODEL)	90.000	.000	1.000	.000
(CGE037)	⋈	LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED MODEL)	90.000	.000	1.000	.000
(CGE040)	△	LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL)	90.000	.000	1.000	.000
(GGE133)	▽	LEWIS T-035 SA6F 142-IN SRB	90.000	.000	1.000	.000

REFERENCE INFORMATION		
SREF	7.0690	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	

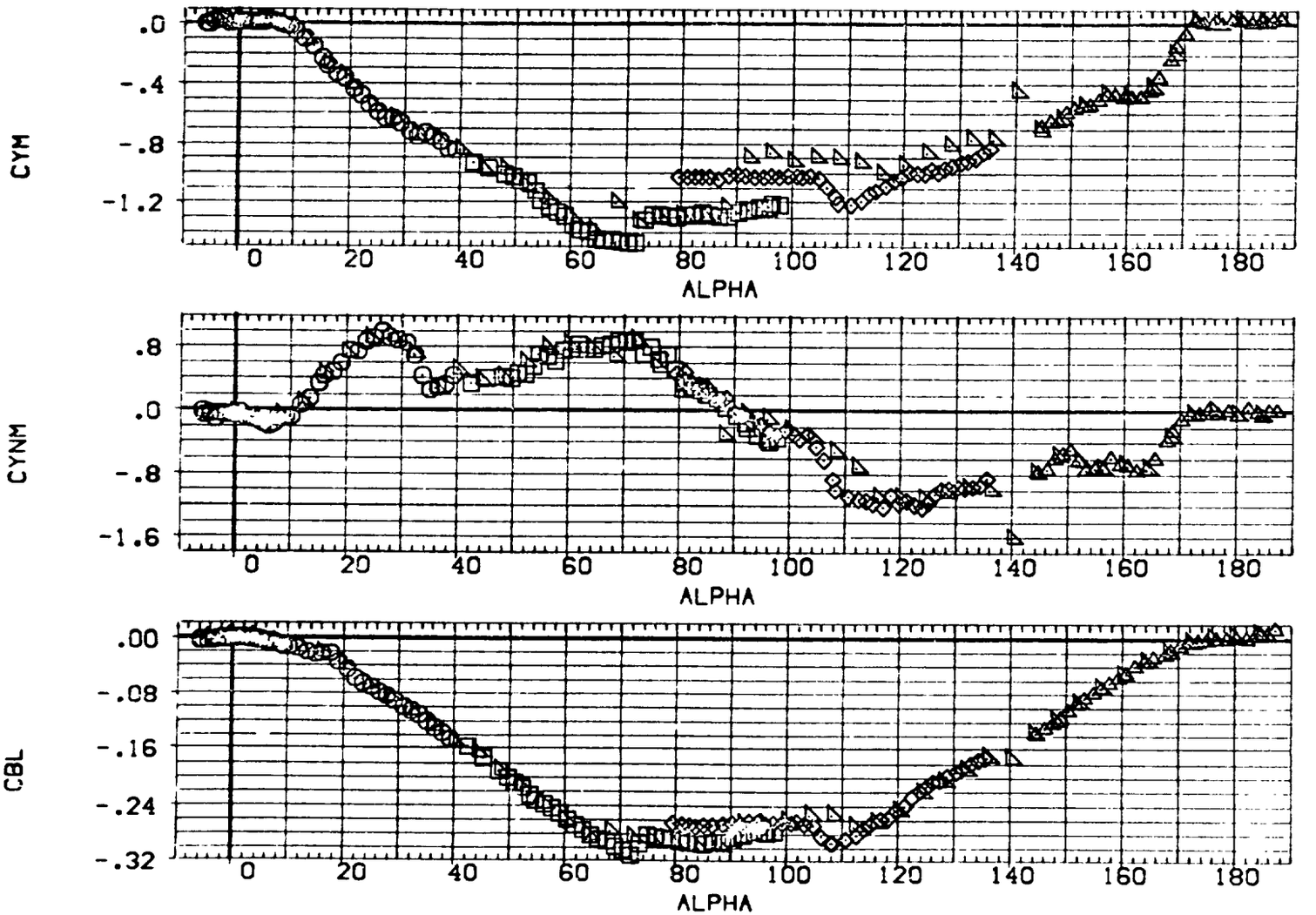


COMPARISON OF DATA CORRECTED FOR STING MOUNTING EFFECTS

(B)MACH = 2.68

DATA SET SY		CONFIGURATION DESCRIPTION			PHI	BETA	ATTRNG	ENGSTK
(CGE033)	□	LEWIS T-035 SA6F 142-IN SRB,(TAIL	TED	L)	90.000	.000	1.000	.000
(CGE036)	◇	LEWIS T-035 SA6F 142-IN SRB,(SIDE	TED	L)	90.000	.000	1.000	.000
(CGE037)	△	LEWIS T-035 SA6F 142-IN SRB,(SIDE	TED	L)	90.000	.000	1.000	.000
(CGE040)	◁	LEWIS T-035 SA6F 142-IN SRB,(	TED	L)	90.000	.000	1.000	.000
(GGE133)	▷	LEWIS T-035 SA6F 142-IN SRB			90.000	.000	1.000	.000

REFERENCE INFORMATION		
SREF	7.	SQ.IN.
LREF	3.	IN.
BREF	3.	IN.
XMRP	20.8340	IN.
YMRP	.	IN.
ZMRP	.	IN.
SCALE	.0211	

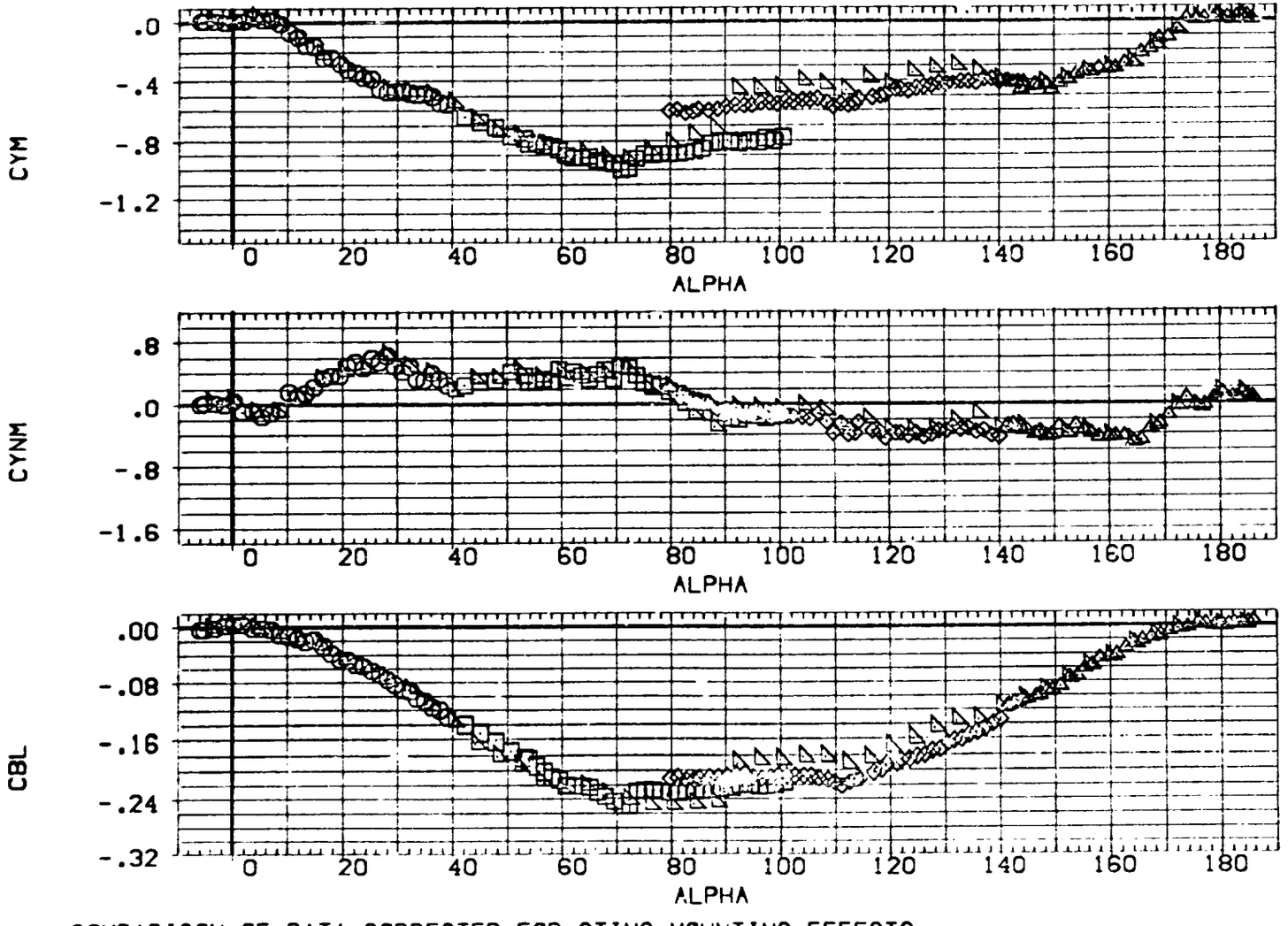


COMPARISON OF DATA CORRECTED FOR STING MOUNTING EFFECTS

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PHI	BETA	ATTRNG	TK
(CGE033)	Ω	LEWIS T-035 SAGF 142-IN SRB,(TAIL MOUNTED L)	90.000	.000	1.000	.000
(CGE036)	◇	LEWIS T-035 SAGF 142-IN SRB,(SIDE MOUNTED MODEL)	90.000	.000	1.000	.000
(CGE037)	⋈	LEWIS T-035 SAGF 142-IN SRB,(SIDE MOUNTED MODEL)	90.000	.000	1.000	.000
(CGE040)	⋈	LEWIS T-035 SAGF 142-IN SRB,(NOSE MOUNTED MODEL)	90.000	.000	1.000	.000
(GGE133)	△	LEWIS T-035 SAGF 142-IN SRB	90.000	.000	1.000	.000

REFERENCE INFORMATION		
SREF	7.	SQ.IN.
LREF	3.0000	IN.
BREF	3.0000	IN.
XMRP	20.8340	IN.
YMRP	.0000	IN.
ZMRP	.0000	IN.
SCALE	.0211	



COMPARISON OF DATA CORRECTED FOR STING MOUNTING EFFECTS

(B)MACH = 2.68

APPENDIX

TABULATED SOURCE DATA

Tabulations of plotted data are available on request from Data Management Services.

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE001) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XM	20.8340 IN.		
LREF =	3.0000 IN.	YM	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000

RUN NO. 1/ 0 RN/L = 2.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLNM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	-5.860	1.13700	-.50100	.01100	-.00400	-1.09900	-.00900	-.18670	-.17406	-.25565	-.25818
2.004	-4.320	1.11400	-.37500	.00100	-.00200	-.70200	-.00100	-.18057	-.17010	-.25132	-.25745
2.004	-3.290	1.09700	-.29900	-.00400	-.00200	-.43300	.00400	-.17230	-.16797	-.24958	-.25578
2.004	-2.330	1.08100	-.22500	.01000	-.00200	-.23800	.01600	-.16038	-.15677	-.24232	-.24629
2.004	-1.280	1.07300	-.15800	-.01100	.00000	-.07300	.09500	-.16185	-.15825	-.24525	-.24705
2.004	-.120	1.06800	-.05950	-.00400	-.00400	.02800	-.01100	-.16075	-.15931	-.23185	-.24553
2.004	.850	1.07100	.02600	-.01500	-.00200	.14800	.03600	-.16077	-.16040	-.17845	-.24523
2.004	1.940	1.07600	.11100	.00100	-.00400	.26800	-.09000	-.16184	-.16220	-.10446	-.24557
2.004	2.890	1.08500	.18000	-.00700	-.00300	.43100	-.06400	-.17021	-.16661	-.10239	-.24713
2.004	3.920	1.09900	.25600	-.00400	-.00200	.63200	-.02700	-.17385	-.17565	-.07319	-.25108
2.004	4.910	1.11300	.35000	-.02100	.00100	.93200	-.00200	-.17342	-.18027	-.08574	-.25282
2.004	6.390	1.13400	.49400	-.01000	-.00100	1.23800	-.03000	-.17742	-.18644	-.14062	-.25609
2.004	8.090	1.14200	.66700	-.02900	-.00300	1.79200	-.00400	-.18263	-.19004	-.13123	-.25572
2.004	9.720	1.14800	.87600	-.02600	.00100	2.34000	.03100	-.18965	-.19543	-.12001	-.25751
2.004	11.400	1.14800	1.15400	-.03600	-.00100	2.95900	-.[illegible]000	-.20194	-.20267	-.08033	-.26223
2.004	12.980	1.14500	1.48800	-.01800	.00000	3.65300	-.06900	-.21314	-.20809	-.08760	-.26439
2.004	14.650	1.14100	1.86200	-.02400	-.00100	4.33600	-.04500	-.22397	-.21351	-.11069	-.26511
2.004	16.240	1.14100	2.31000	-.03300	.00100	4.87200	-.00900	-.23365	-.22066	-.12973	-.26650
2.004	17.810	1.14000	2.78300	-.03600	.00000	5.26200	-.03500	-.24303	-.22752	-.14094	-.26684
2.004	19.390	1.13700	3.26600	-.03500	.00100	5.51200	-.00400	-.24881	-.23041	-.14600	-.26468
2.004	20.860	1.13500	3.75500	-.04600	.00000	5.70200	-.01300	-.25023	-.23328	-.15463	-.26250
2.004	22.320	1.13300	4.27000	-.03900	.00100	5.87300	-.05100	-.24956	-.23657	-.16079	-.26003
2.004	23.840	1.13700	4.77000	-.03000	-.00100	6.02900	-.08400	-.25102	-.23985	-.16113	-.26149
2.004	25.310	1.14500	5.29200	-.04200	-.00100	6.14300	-.08900	-.25139	-.24273	-.15542	-.26258
2.004	26.740	1.16000	5.78800	-.04400	.00000	6.22500	-.05300	-.25209	-.24488	-.15650	-.26436
2.004	28.180	1.16400	6.31100	-.02900	.00000	6.42100	-.09800	-.24877	-.24011	-.15353	-.26398
2.004	29.620	1.17100	6.81200	-.04200	.00300	6.50000	.00700	-.24846	-.23908	-.15540	-.26325
2.004	31.000	1.18000	7.31700	-.02900	.00200	6.65700	-.07300	-.24815	-.24310	-.16269	-.26258
2.004	32.480	1.18600	7.85200	-.02200	.00200	6.73600	-.01300	-.24991	-.25063	-.16257	-.26687
2.004	33.850	1.19400	8.38000	-.02600	.00000	6.75300	.02000	-.25246	-.25570	-.16190	-.27411
2.004	35.230	1.19900	8.87900	-.03400	.00300	6.89600	.11400	-.25096	-.25637	-.15647	-.27766
2.004	36.700	1.20200	9.40100	-.02100	.00300	7.05200	.00500	-.25134	-.25747	-.15142	-.28164
2.004	38.100	1.21100	9.90300	-.01500	.00200	7.19400	-.11400	-.25054	-.25740	-.14375	-.28338
2.004	39.550	1.21400	10.38200	-.04100	-.00100	7.45700	-.03000	-.24736	-.25602	-.13555	-.28343
	GRADIENT	.00019	.07827	-.[illegible]102	.00006	.15872	-.00079	.00003	-.00121	.02292	.00044

LEWIS T-035 SA6F 142-IN SRB, (TAIL MOUNTED MODEL) (RGE001) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8540 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = .000
ALPROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELEVON = .000 ENGSTK = .000

RUN NO. 2/ 0 RN/L = 2.38 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CXM	CYM	CSL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.678	-5.100	.90500	-.55900	-.04000	.	-1.11500	.07800	-.11788	-.11277	-.14294	-.14600
2.678	-3.930	.89300	-.44900	-.01900	.00800	-.77100	.01000	-.11592	-.11132	-.14300	-.14637
2.678	-3.180	.88500	-.37200	-.05700	.01300	-.59900	.12400	-.11078	-.10669	-.13989	-.14347
2.678	-2.190	.88000	-.30700	-.01500	.	-.39600	-.01500	-.10924	-.10617	-.14045	-.14350
2.678	-1.140	.87600	-.22400	-.02200	.00800	-.21600	-.00600	-.10715	-.10459	-.13782	-.14140
2.678	.000	.87100	-.12800	-.05400	.01200	-.03200	.05100	-.10713	-.10406	-.13574	-.13932
2.678	.950	.87000	-.05000	-.03700	.01200	.13400	.07200	-.10668	-.10514	-.13223	-.13636
2.678	1.940	.87600	.03100	-.02300	.01200	.26300	.08300	-.10662	-.10458	-.12348	-.13779
2.678	3.000	.87800	.12600	-.04700	.01100	.53000	-.00400	-.10719	-.10617	-.09850	-.13855
2.678	3.880	.88400	.18400	-.04000	.01500	.73100	.15000	-.10967	-.10813	-.08054	-.13860
2.678	4.930	.89800	.28000	.00500	.00600	1.04600	-.10500	-.11270	-.11116	-.08409	-.13977
2.678	6.400	.91100	.43200	-.03000	.01000	1.35900	-.01500	-.11578	-.11524	-.09685	-.14232
2.678	9.710	.95700	.92600	-.03500	.01100	2.46500	.00700	-.12142	-.12142	-.10098	-.14441
2.678	12.850	.99000	1.53200	-.02000	.01200	3.24800	.03500	-.13006	-.12801	-.10145	-.14539
2.678	15.980	1.02900	2.44200	-.04500	.01300	3.60100	.01300	-.13519	-.13109	-.09888	-.14682
2.678	19.030	1.06300	3.27800	-.04300	.01400	3.90300	.04400	-.13923	-.13208	-.09323	-.14690
2.678	22.020	1.08900	4.13300	-.05300	.01500	4.27700	.01500	-.14288	-.13624	-.08107	-.14902
2.678	24.890	1.12200	5.00700	-.05100	.01400	4.40100	-.03400	-.14288	-.13828	-.06061	-.14901
2.678	27.740	1.05500	5.86300	-.05000	.01400	4.61000	-.04600	-.14232	-.13721	-.04828	-.14846
2.678	30.550	1.08800	6.87900	-.04000	.01600	4.90400	.06600	-.13977	-.13671	-.03967	-.14846
2.678	33.370	1.12900	7.71700	-.03100	.01400	5.13600	-.00500	-.13771	-.13669	-.02732	-.14891
2.678	36.200	1.16200	8.63800	-.06600	.01600	5.45300	.06800	-.13562	-.13664	-.01048	-.14379
2.678	38.990	1.18500	9.55600	-.02300	.01400	5.81800	-.05000	-.13362	-.13771	-.00481	-.14231
	GRADIENT	.00017	00155	.00114	.00020	.19279	-.00039	.00029	-.00006	.00726	.00079

LEWIS T-035 SA8F 142-IN SRB (TAIL MOUNTED MODEL) (RGE002) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000

RUN NO. 1/ 1 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	40.950	1.22400	10.87500	-.04500	.00500	7.67000	.03700	-.24589	-.25635	-.12793	-.28342
2.004	42.330	1.23100	11.56700	-.04000	-.00200	7.85900	-.04900	-.24515	-.25669	-.11886	-.28418
2.004	43.780	1.22900	11.88000	-.03500	.00100	8.09200	-.10600	-.24226	-.25524	-.10773	-.28447
2.004	30.070	1.17400	6.88900	-.03500	.00100	6.46400	-.17400	-.24700	-.23726	-.17812	-.26178
2.004	31.670	1.17800	7.46500	-.04300	.00200	6.69000	-.11900	-.24655	-.24258	-.17764	-.26134
2.004	33.230	1.194(	8.08700	-.06600	.00300	6.66500	-.03300	-.24940	-.25357	-.17185	-.26961
2.004	35.710	1.20000	8.96300	-.06500	.00400	6.89600	-.09300	-.24905	-.25627	-.16646	-.27971
2.004	36.680	1.20400	9.33100	-.05000	.00400	6.90300	-.12200	-.25089	-.25811	-.16506	-.28624
2.004	38.070	1.20700	9.84900	-.04000	.	7.13800	-.12400	-.25047	-.25804	-.15848	-.28582
2.004	39.540	1.20900	10.32200	-.05600	.00300	7.44800	-.10300	-.24647	-.25621	-.15089	-.28543
2.004	40.900	1.21700	10.80100	-.06900	.00400	7.64400	-.05800	-.24540	-.25623	-.14331	-.28437
2.004	42.320	1.22300	11.31300	-.06300	.00400	7.78100	-.08500	-.24581	-.25808	-.13508	-.28622
2.004	43.730	1.22200	11.81100	-.04500	.00300	8.02700	-.12700	-.24323	-.25622	-.12526	-.28617
2.004	45.130	1.22200	12.29000	-.05700	.00500	8.24500	-.07500	-.23932	-.25375	-.11597	-.28623
2.004	46.530	1.21900	12.76800	-.07400	.00400	8.49700	-.11800	-.23497	-.25084	-.10988	-.28546
2.004	47.970	1.21000	13.24400	-.07800	.00400	8.76900	-.08700	-.22952	-.24575	-.10870	-.28544
2.004	49.450	1.19500	13.67900	-.06000	.00400	9.06000	-.09900	-.22449	-.24180	-.10803	-.28617
2.004	50.850	1.19000	14.10200	-.07100	.00400	9.37700	-.07100	-.22092	-.23931	-.10805	-.28765
2.004	52.300	1.17900	14.52100	-.04000	.00300	9.72400	-.18200	-.21618	-.23746	-.10799	-.28616
2.004	53.630	1.16800	14.90200	-.06800	.00400	9.95500	-.08400	-.21219	-.23527	-.10548	-.28360
2.004	55.110	1.15100	15.31300	-.07800	.00500	10.23400	-.04400	-.20420	-.23161	-.10321	-.28176
2.004	56.550	1.12600	15.68500	-.08300	.00500	10.52500	-.04300	-.18840	-.22445	-.10188	-.27999
2.004	58.010	1.10500	16.07400	-.09800	.00500	10.70000	.03300	-.16313	-.21398	-.10436	-.27928
2.004	59.400	1.07200	16.42200	-.06500	.00700	10.91300	-.02800	-.14449	-.20180	-.10593	-.27695
2.004	60.850	1.02400	16.79200	.07600	.00600	11.14300	-.02200	- 12637	-.18982	-.10113	-.27501
2.004	62.300	.97500	17.13800	-.07300	.00600	11.29400	-.04200	-.10119	-.17616	-.09327	-.27170
2.004	63.790	.91600	17.49400	-.09200	.00600	11.48500	-.04000	-.08308	-.16347	-.08344	-.26407
2.004	65.210	.86300	17.84800	-.07400	.00800	11.55600	-.00700	-.03834	-.15162	-.07158	-.25043
2.004	66.670	.79800	18.19700	- 11700	.00700	11.59700	.07500	-.05297	-.13866	-.05794	-.23347
2.004	68.140	.72300	18.56200	-.13300	00900	11.59800	.11100	-.03124	-.14223	-.04133	-.20748
2.004	69.630	.66000	18.96000	-.11700	.00800	11.61000	-.00100	-.01327	-.12679	-.02227	-.17437
2.004	71.130	.58200	19.13400	-.11600	.00900	11.64600	-.04200	.01173	-.09642	.00596	-.13896
2.004	72.620	.48700	19.41900	-.11800	.01000	11.60000	-.03000	.04272	-.06252	.04380	-.1126'
2.004	72.530	.48900	19.41600	- 12300	.01200	11.54600	.09600	.04449	-.06037	.05494	-.1104
2.004	72.840	.48000	19.44700	-.12100	.01000	11.54600	.02200	.04877	-.05462	.06318	-.10867
2.004	74.430	.39400	19.73700	-.13600	.01000	11.56300	.09200	.09861	.00169	.09033	-.16267
2.004	75.770	.30100	19.95800	-.13500	.01100	11.48400	.05000	.14501	.03839	.13385	-.18252
2.004	77.250	.18300	20.23900	-.10400	.01000	11.20400	-.03700	.21700	.07187	.19576	-.17424
2.004	78.730	.01800	20.41200	-.09900	.01100	11.06500	-.07400	.31947	.09520	.18408	-.17087
2.004	79.880	-.11300	20.57000	-.12700	.01200	10.80400	.02300	.40006	.07129	.16170	-.16730
2.004	81.760	-.24500	20.73300	-.13400	.01100	10.49300	.00300	.45418	.18208	.24040	-.12735
2.004	83.010	-.34800	20.79900	-.12600	.01200	10.20700	-.06000	.55823	.18430	.37689	-.00351
2.004	84.550	-.46000	20.84600	-.13500	.01100	9.94400	.07800	.65624	.23338	.39898	.05509

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE002) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000

RUN NO. 1/ 1 RN/L = 2.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	86.140	-.53800	20.85700	-.14000	.01300	9.59000	.20200	.73739	.35136	.36072	.22428
	GRADIENT	-.02865	.25766	-.00187	.	.09130	.00329	.01401	.00835	.00826	.00474

RUN NO. 2/ 1 RN/L = 2.38 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.678	41.790	1.20100	10.47400	-.07200	.01400	6.21400	.02400	-.12954	-.13518	.00384	-.13525
2.678	43.150	1.21700	10.93000	-.07100	.01500	6.36600	-.01100	-.12643	-.13410	.00130	-.13665
2.678	50.070	1.07400	6.60900	-.03700	.01200	4.88700	-.09200	-.13509	-.13500	-.09250	-.14429
2.678	33.190	1.12100	7.64400	-.07300	.01300	5.16000	-.04300	-.13564	-.13666	-.04464	-.14433
2.678	35.930	1.15300	8.54700	-.04900	.01300	5.50900	-.00400	-.13564	-.13921	-.02629	-.14381
2.678	37.030	1.16200	8.93700	-.07300	.01300	5.67000	-.03200	-.13156	-.13820	-.02273	-.14075
2.678	39.810	1.19100	9.85900	-.06100	.01500	6.03200	.01800	-.13158	-.13873	-.01505	-.14027
2.678	42.590	1.21400	10.77800	-.06300	.01600	6.42900	-.00600	-.12796	-.13562	-.00436	-.13818
2.678	45.390	1.23200	11.67800	-.07100	.01600	6.85100	-.01900	-.12338	-.13513	-.01148	-.13513
2.678	48.170	1.25300	12.58200	-.08700	.01600	7.24300	.00600	-.12129	-.13356	-.01248	-.13151
2.678	50.970	1.27000	13.42600	-.09600	.01400	7.72300	-.04000	-.11765	-.12991	-.02159	-.13247
2.678	53.840	1.28300	14.20900	-.11700	.01400	8.38100	-.03500	-.09681	-.12339	-.02374	-.13208
2.678	56.720	1.22900	14.99200	-.09900	.01500	8.99000	-.03000	-.05021	-.11306	-.02058	-.13094
2.678	59.570	1.15400	15.69100	-.11800	.01400	9.48400	-.05200	-.01660	-.10243	-.01507	-.12849
2.678	62.910	1.05600	16.34000	-.11500	.01400	9.88700	-.08200	.00436	-.08042	.00079	-.11720
2.678	65.470	.94400	16.92500	-.12300	.01500	10.16700	-.10100	.01715	-.06456	.00693	-.10235
2.678	68.520	.82800	17.46300	-.12000	.01600	10.30000	-.06800	.03149	-.04207	.02383	-.08140
2.678	71.560	.69800	17.97200	-.12600	.01600	10.35900	-.08800	.04887	-.01548	.05981	-.05635
2.678	73.140	.62300	18.19100	-.11900	.01500	10.31100	-.11800	.06457	.00586	.11153	-.02988
2.678	74.270	.56500	18.36500	-.12600	.01600	10.26600	-.06900	.07835	.02169	.15949	-.01455
2.678	75.840	.48600	18.55000	-.11800	.01500	10.11400	-.08300	.09797	.04331	.19555	.01214
2.678	77.350	.40100	18.76500	-.12500	.01600	9.97500	.00000	.13049	.06872	.23666	.03401
2.678	79.020	.33300	18.96900	-.10600	.01600	9.89600	-.01200	.17004	.09290	.27626	.05151
2.678	80.370	.21300	19.18400	-.11300	.01600	9.89300	-.08600	.20523	.11280	.31296	.06530
2.678	80.520	.21400	19.19500	-.12100	.01700	9.88900	-.01700	.20605	.11366	.31066	.06516
2.678	81.990	.11400	19.39300	-.11100	.01700	9.86300	-.07600	.25530	.14103	.33996	.07725
2.678	83.510	.02400	19.52800	-.13800	.01600	9.81400	.00400	.31081	.17607	.31183	.07032
2.678	84.760	-.08200	19.62800	-.13500	.01600	9.66300	-.04900	.36025	.20509	.25001	.07848
2.678	86.490	-.20500	19.65200	-.12700	.01500	9.33400	-.04700	.42063	.21031	.25422	.11124
	GRADIENT	-.02334	.23138	-.00139	.00005	.09631	-.00069	.00857	.00609	.00659	.00458

LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED MODEL) (RGE003) (02 MAY 74)

REFERENCE DATA

BREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000

RUN NO. 49/ 0 RN/L = 2.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNN	CYN	CBL	CLNN	CYNN	CPB1	CPB2	CPB3	CPB4
2.004	.150	1.15600	-.17900	-.06000	.	.17800	.04800	.00000	.	.	.00000
2.004	2.790	1.19000	-.01800	-.04800	.	.87000	.07900	.	.	.	.
2.004	4.970	1.21600	.19600	-.02700	.00600	1.20100	.03300	.00000	.00000	.	.00000
2.004	7.430	1.20900	.48100	-.05000	.00500	1.45200	.02800	.00000	.00000	.	.00000
2.004	10.390	1.22600	.94200	-.03600	.00600	2.25600	.02900	.00000	.00000	.00000	.00000
2.004	13.120	1.19100	1.51200	-.05000	.00500	3.10600	-.04500	.	.00000	.	.00000
2.004	16.190	1.18300	2.23400	-.06700	.00700	3.98800	-.05600	.00000	.00000	.	.00000
2.004	17.370	1.20000	2.58700	-.06200	.00600	4.27500	-.08400	.00000	.	.	.00000
2.004	19.010	1.20900	3.05200	-.07500	.00700	4.92600	-.07900	.00000	.00000	.00000	.00000
2.004	22.320	1.20600	3.94700	-.	.00700	5.92000	-.13200	.	.	.00000	.00000
2.004	25.500	1.22700	4.93000	-.07100	.	6.54100	-.14800	.	.	.00000	.
2.004	28.550	1.22500	5.96700	-.	.	6.71400	-.14600	.	.	.00000	.
2.004	31.430	1.20300	7.04300	-.07000	.01000	6.96700	-.17000	.00000	.00000	.00000	.00000
2.004	34.260	1.21600	8.10400	-.07800	.	7.02600	-.06100	.00000	.	.00000	.00000
2.004	37.240	1.22200	9.16100	-.07600	.00800	7.12900	-.13300	.00000	.00000	.00000	.00000
2.004	39.860	1.23800	10.13400	-.09600	.	7.41700	-.01100	.00000	.00000	.	.00000
	GRADIENT	.01246	.07722	.00677	.00080	.21397	-.00260	.	.00000	.00000	.

RUN NO. 50/ 0 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNN	CYN	CBL	CLNN	CYNN	CPB1	CPB2	CPB3	CPB4
2.675	.020	.89300	-.12700	-.05800	-.00700	.39100	-.01600	.	.	.	.00000
2.675	2.810	.89700	.06200	-.05500	-.	1.16700	-.03500	.00000	.	.	.00000
2.675	5.090	.90500	.27000	-.05700	-.00500	1.49200	-.02100	.00000	.00000	.	.00000
2.675	7.830	.90400	.65200	-.03800	-.00400	1.90900	-.02500	.00000	.00000	.00000	.00000
2.675	10.380	.91300	1.11700	-.05600	-.00500	2.29900	-.07900	.00000	.00000	.00000	.00000
2.675	12.960	.92100	1.67000	-.07100	-.00500	2.67200	-.09400	.00000	.00000	.00000	.00000
2.675	15.470	.93000	2.24600	-.06200	-.00400	3.59000	-.10600	.00000	.00000	.00000	.00000
2.675	17.190	.94600	2.64300	-.08300	-.00300	4.04200	-.10900	.00000	.00000	.00000	.00000
2.675	18.250	.95500	2.88600	-.08500	-.00400	4.23200	-.06600	.00000	.00000	.00000	.00000
2.675	21.340	.99000	3.75600	-.05700	-.00400	4.64200	-.26200	.00000	.00000	.00000	.00000
2.675	24.870	1.01600	4.69600	-.07000	-.00300	4.65400	-.23800	.00000	.00000	.00000	.00000
2.675	27.370	1.03500	5.63400	-.07000	-.00200	5.23000	-.18000	.00000	.00000	.00000	.00000
2.675	30.590	1.06300	6.59200	-.08500	-.00100	5.26000	-.14900	.00000	.00000	.00000	.00000
2.675	33.300	1.11100	7.56700	-.08800	-.00100	5.40300	-.13100	.00000	.00000	.00000	.
2.675	36.370	1.14800	8.54500	-.09500	.00000	5.63500	-.09500	.00000	.00000	.00000	
2.675	39.180	1.17900	9.47800	-.10800	-.00200	6.00300	-.13600	.00000	.00000	.0000	
	GRADIENT	.00143	.06774	.00108	.00036	.27814	-.00681	.00000	.00000	.000	

LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED MODEL) (RGE004) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000

RUN NO. 49/ 1 RN/L = 2.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	42.600	1.24800	11.18500	-.10300	.	7.84300	-.08400	.00000	.00000	.00000	.00000
2.004	45.350	1.24900	12.14700	-.08900	.	8.37800	-.07000	.00000	.00000	.00000	.00000
2.004	48.200	1.24600	13.04000	-.09700	.	8.70100	-.11700	.00000	.00000	.00000	.00000
2.004	49.550	1.24100	13.50800	-.09300	.00900	9.11400	-.10600	.00000	.00000	.00000	.00000
2.004	50.790	1.22200	13.90700	-.10500	.01000	9.33800	-.08900	.00000	.00000	.00000	.00000
2.004	52.270	1.21700	14.31500	-.11000	.00900	9.63000	-.09000	.00000	.00000	.00000	.00000
2.004	53.750	1.20000	14.65700	-.10800	.01000	9.79500	-.09700	.00000	.00000	.00000	.00000
2.004	54.450	1.19000	14.84800	-.11600	.01000	9.86800	.02500	.00000	.00000	.00000	.00000
2.004	55.890	1.18900	15.21000	-.09500	.01000	10.13800	.01200	.00000	.00000	.00000	.00000
2.004	57.230	1.18100	15.59000	-.10500	.01000	10.39800	-.03700	.00000	.00000	.00000	.00000
2.004	58.760	1.16500	15.97800	-.09900	.01100	10.52500	-.05000	.00000	.00000	.00000	.00000
2.004	60.350	1.14900	16.32100	-.08400	.01000	10.64900	-.01900	.00000	.00000	.00000	.00000
2.004	61.050	1.12100	16.63100	-.11200	.01100	10.87000	-.01500	.00000	.00000	.00000	.00000
2.004	62.950	1.08800	17.03800	-.10800	.01200	11.08700	-.03000	.00000	.00000	.00000	.00000
2.004	64.350	1.06800	17.35100	-.07900	.01200	11.10800	-.02100	.00000	.00000	.00000	.00000
2.004	65.750	1.04700	17.66200	-.10600	.01100	11.55700	-.02000	.00000	.00000	.00000	.00000
2.004	67.210	1.01100	17.99200	-.08800	.01300	11.57900	-.01200	.00000	.00000	.00000	.00000
2.004	68.570	.99900	18.24500	-.06300	.01200	11.60800	-.11600	.00000	.00000	.00000	.00000
2.004	70.010	.96100	18.47600	-.09000	.01300	11.57400	.01600	.00000	.00000	.00000	.00000
2.004	71.510	.92200	18.70700	-.08700	.01200	11.57700	-.02900	.00000	.00000	.00000	.00000
2.004	72.920	.89200	18.99300	-.09700	.01300	11.52900	-.01700	.00000	.00000	.00000	.00000
2.004	74.320	.86500	19.22400	-.07200	.01400	11.50800	-.09300	.00000	.00000	.00000	.00000
2.004	75.860	.83200	19.39900	-.08300	.01300	11.41100	-.00800	.00000	.00000	.00000	.00000
2.004	77.320	.78200	19.60100	-.07800	.01400	11.29600	-.09200	.00000	.00000	.00000	.00000
2.004	78.870	.73900	19.76500	-.07900	.01400	11.11700	-.04900	.00000	.00000	.00000	.00000
2.004	80.310	.69100	19.93200	-.07600	.01500	10.99600	-.07800	.00000	.00000	.00000	.00000
2.004	81.830	.57400	20.06100	-.07300	.01600	10.78300	-.06300	.00000	.00000	.00000	.00000
2.004	83.390	.51800	20.16800	-.07800	.01500	10.56300	-.03400	.00000	.00000	.00000	.00000
2.004	84.870	.44700	20.24400	-.06000	.01600	10.32600	-.09400	.00000	.00000	.00000	.00000
2.004	86.550	.38800	20.30400	-.05400	.01600	10.06800	-.07300	.00000	.00000	.00000	.00000
2.004	88.190	.32100	20.32600	-.04400	.01600	9.77800	-.12900	.00000	.00000	.00000	.00000
2.004	89.780	.26200	20.32900	-.04900	.01700	9.53700	-.07700	.00000	.00000	.00000	.00000
2.004	89.790	.26300	20.31100	-.03200	.01800	9.47400	.05800	.00000	.00000	.00000	.00000
2.004	91.410	.20700	20.26700	-.05000	.01800	9.14000	-.04900	.00000	.00000	.00000	.00000
2.004	92.250	.18500	20.23700	-.05200	.01700	8.94000	-.01300	.00000	.00000	.00000	.00000
2.004	94.310	.12200	20.16800	-.04900	.01800	8.63000	-.00300	.00000	.00000	.00000	.00000
2.004	95.600	.06000	20.04800	-.03400	.01800	8.28200	-.03000	.00000	.00000	.00000	.00000
2.004	98.780	-.07900	19.71100	-.02200	.01900	7.61700	-.01300	.00000	.00000	.00000	.00000
	GRADIENT	-.02477	.15391	.00134	.00019	-.00285	.00028	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED MODEL) (RGE004) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.
LREF =	3.0000 IN.	YMRP =	.0000 IN.
BREF =	3.0000 IN.	ZMRP =	.0000 IN.
SCALE =	.0211		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000

RUN NO. 50/ 1 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNN	CYN	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.675	41.960	1.19900	10.41000	-.09800	.	6.19100	-.11500	.00000	.	.	.00000
2.675	44.670	1.22900	11.31500	-.10800	.00000	6.66500	-.14100	.00000	.	.00000	.
2.675	47.430	1.23800	12.17800	-.11800	.00000	6.93100	-.13800	.00000	.00000	.00000	.00000
2.675	48.840	1.25900	12.61700	-.10200	.00000	7.07300	-.16500	.00000	.00000	.00000	.00000
2.675	50.210	1.27500	13.02800	-.11600	.00000	7.25100	-.12200	.00000	.00000	.00000	.00000
2.675	51.550	1.27100	13.44300	-.12600	.00000	7.57300	-.13800	.00000	.00000	.	.
2.675	52.940	1.29100	13.84500	-.10400	.00100	7.69500	-.14700	.00000	.00000	.00000	.00000
2.675	53.130	1.29100	13.90700	-.13000	.00100	7.83300	-.17800	.00000	.00000	.00000	.00000
2.675	54.570	1.29700	14.32100	-.12500	.00100	8.10600	-.16300	.00000	.00000	.	.00000
2.675	55.990	1.30600	14.70500	-.10800	.00100	8.30400	-.17700	.00000	.00000	.	.00000
2.675	57.290	1.29400	15.07600	-.12600	.00100	8.74000	-.18700	.00000	.00000	.00000	.
2.675	58.850	1.25800	15.44000	-.10900	.	8.70800	-.24200	.00000	.00000	.00000	.
2.675	60.130	1.22600	15.77300	-.16600	.00200	9.20400	-.12200	.00000	.00000	.00000	.00000
2.675	61.420	1.20500	16.08100	-.13000	.00200	9.41300	-.16300	.00000	.00000	.00000	.
2.675	62.780	1.16100	16.36600	-.13100	.00300	9.70400	-.16100	.00000	.00000	.00000	.00000
2.675	64.290	1.11600	16.67700	-.13000	.00300	9.84300	-.14200	.00000	.00000	.00000	.00000
2.675	65.650	1.09600	16.95600	-.13900	.00100	10.01100	-.13100	.00000	.	.00000	.00000
2.675	67.130	1.06500	17.23000	-.13600	.00200	10.08700	-.12000	.00000	.00000	.	.
2.675	68.500	1.02600	17.50500	-.13400	.00400	10.25100	-.06200	.00000	.00000	.00000	.00000
2.675	69.950	.97700	17.75200	-.13700	.00200	10.36600	-.04200	.00000	.00000	.00000	.00000
2.675	71.390	.94200	18.00200	-.14600	.00200	10.48100	-.07100	.00000	.00000	.00000	.00000
2.675	72.850	.89700	18.19700	-.12300	.00200	10.40100	-.04100	.00000	.00000	.00000	.00000
2.675	74.350	.85400	18.42300	-.08200	.00200	10.29900	-.22100	.00000	.00000	.00000	.00000
2.675	75.780	.81400	18.58400	-.10400	.00300	10.24500	-.15600	.00000	.00000	.00000	.00000
2.675	77.310	.75400	18.75700	-.13500	.00300	10.17000	-.03900	.00000	.00000	.00000	.00000
2.675	78.780	.70600	18.93800	-.07200	.00200	10.07700	-.09300	.00000	.00000	.00000	.00000
2.675	80.320	.66200	19.04200	-.10300	.00200	9.98300	-.08500	.00000	.00000	.00000	.00000
2.675	81.850	.60100	19.16400	-.10600	.00300	9.89100	-.14600	.00000	.00000	.00000	.00000
2.675	83.410	.54700	19.24600	-.09400	.00500	9.75000	-.12800	.00000	.00000	.00000	.00000
2.675	84.980	.48500	19.31400	-.07200	.00400	9.60200	-.14700	.00000	.00000	.00000	.00000
2.675	86.520	.43300	19.35900	-.09200	.00400	9.54100	-.10000	.00000	.00000	.00000	.00000
2.675	88.200	.36400	19.38800	-.05600	.00400	9.07400	-.17600	.00000	.00000	.00000	.00000
2.675	89.840	.31300	19.36200	-.08800	.00500	8.77000	-.09700	.00000	.00000	.00000	.00000
2.675	90.490	.28100	19.35900	-.06600	.00400	8.63200	-.05400	.00000	.00000	.00000	.00000
2.675	92.170	.21400	19.32500	-.06700	.00400	8.28400	-.11900	.00000	.00000	.00000	.00000
2.675	93.981	.14700	19.22900	-.06500	.00500	8.02800	-.05300	.00000	.00000	.00000	.00000
2.675	95.620	.06700	19.13000	-.02900	.00500	7.77200	-.10000	.00000	.00000	.00000	.00000
2.675	95.960	.05200	19.06400	-.07100	.00400	7.66900	-.06000	.00000	.00000	.00000	.00000
2.675	97.310	-.00300	18.95800	-.06600	.00400	7.46400	-.03400	.00000	.00000	.00000	.00000
2.675	99.990	-.11100	18.76600	-.08200	.00600	7.13100	.04600	.00000	.00000	.00000	.00000
2.675	100.810	-.17600	18.65700	-.04400	.00400	6.84800	.01500	.00000	.00000	.00000	.00000
	UNCERT	-.02627	.15904	.00138	.00008	.01308	.00246	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED MODEL) (RGE005) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = .000
ALFROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = .000 ENGSTK = .000

RUN NO. 51/ 0 RN/L = 2.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	79.080	.68400	19.86300	.02600	-.00500	11.03100	-.04100	.00000	.00000	.00000	.00000
2.004	81.110	.61000	20.01500	.03800	-.00500	10.81900	-.01700	.00000	.00000	.00000	.00000
2.004	82.590	.51200	20.15500	.03600	-.00500	10.71800	.02700	.00000	.00000	.00000	.00000
2.004	83.890	.47600	20.24600	.04200	-.00300	10.46000	-.05300	.00000	.00000	.00000	.00000
2.004	83.680	.49200	20.22800	.03200	-.00500	10.61500	-.02400	.00000	.00000	.00000	.00000
2.004	85.780	.39500	20.32000	.04800	-.00600	10.17300	.00900	.00000	.00000	.00000	.00000
2.004	87.320	.31100	20.34900	.04800	-.00400	10.02000	-.01700	.00000	.00000	.00000	.00000
2.004	89.040	.25500	20.35300	.04100	-.00400	9.65600	.00200	.00000	.00000	.00000	.00000
2.004	90.830	.19900	20.32500	.04500	-.00500	9.23900	.00200	.00000	.00000	.00000	.00000
2.004	92.140	.18200	20.25800	.04500	-.00400	9.05500	.01100	.00000	.00000	.00000	.00000
2.004	93.980	.10300	20.18200	.06600	-.00400	8.58800	.06800	.00000	.00000	.00000	.00000
2.004	95.450	.01700	20.07800	.05500	-.00400	8.30200	-.00400	.00000	.00000	.00000	.00000
2.004	97.050	-.03100	19.93400	.06200	-.00400	7.87200	.05500	.00000	.00000	.00000	.00000
2.004	98.540	-.13100	19.77500	.05900	-.00300	7.55800	.04000	.00000	.00000	.00000	.00000
2.004	100.030	-.21800	19.61800	.05700	-.00200	7.30000	.02000	.00000	.00000	.00000	.00000
2.004	101.280	-.24900	19.44900	.07800	-.00300	6.95000	.13000	.00000	.00000	.00000	.00000
2.004	102.140	-.33200	19.22800	.08500	-.00300	6.58700	.06900	.00000	.00000	.00000	.00000
2.004	103.390	-.42400	18.99500	.05800	-.00200	6.40100	.05700	.00000	.00000	.00000	.00000
2.004	112.410	-1.01600	17.22500	.08600	-.00200	4.88100	.03500	.00000	.00000	.00000	.00000
2.004	114.490	-1.11600	16.88800	.09200	-.00200	4.64000	.06400	.00000	.00000	.00000	.00000
2.004	116.050	-1.22400	16.52500	.08800	-.00200	4.56800	.03000	.00000	.00000	.00000	.00000
2.004	117.370	-1.34500	16.18800	.09700	-.00100	4.41800	.05700	.00000	.00000	.00000	.00000
2.004	118.860	-1.46400	15.83300	.10500	-.00100	4.18600	.03200	.00000	.00000	.00000	.00000
2.004	120.340	-1.59000	15.44100	.09200	-.00200	4.02600	.07300	.00000	.00000	.00000	.00000
2.004	121.660	-1.66400	15.08400	.10200	-.00100	3.88200	.06300	.00000	.00000	.00000	.00000
2.004	123.080	-1.79300	14.69700	.11200	-.00200	3.79900	.07300	.00000	.00000	.00000	.00000
2.004	124.510	-1.93200	14.31400	.08700	-.00100	3.50400	.05800	.00000	.00000	.00000	.00000
2.004	125.680	-1.97500	13.73700	.11900	-.00200	2.71200	.04000	.00000	.00000	.00000	.00000
2.004	127.220	-2.03500	13.25000	.08300	-.00200	2.13000	.03600	.00000	.00000	.00000	.00000
2.004	129.110	-2.08100	12.78400	.08800	-.00100	1.72300	.02600	.00000	.00000	.00000	.00000
2.004	130.390	-2.15100	12.34200	.08100	-.00300	1.55500	.06800	.00000	.00000	.00000	.00000
2.004	131.720	-2.19700	11.90200	.09500	-.00200	1.10500	.02400	.00000	.00000	.00000	.00000
2.004	133.200	-2.25400	11.42500	.08000	-.00200	.84100	.04600	.00000	.00000	.00000	.00000
2.004	134.630	-2.29500	10.95500	.08600	-.00200	.58400	.04800	.00000	.00000	.00000	.00000
	GRADIENT	-.05779	-.16991	.00123	.00007	-.18706	.00120	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED MODEL) (RGED05) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	5.0000 IN.	YMRP =	.0000 IN.		
BREF =	5.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000

RUN NO. 52/ 0 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.674	79.660	.60400	18.87000	.05100	-.00100	10.37200	.02100	.00000	.00000	.00000	.00000
2.674	81.190	.54100	19.03800	.06200	.	10.30900	.04200	.00000	.00000	.00000	.00000
2.674	82.810	.49500	19.17500	.07500	-.00200	10.06400	.07500	.00000	.00000	.00000	.00000
2.674	83.960	.45400	19.27000	.07300	-.00200	9.93900	.07400	.00000	.00000	.00000	.00000
2.674	85.690	.37900	19.32200	.05500	-.00300	9.78800	.06600	.00000	.00000	.00000	.00000
2.674	87.520	.31600	19.35100	.07600	-.00100	9.39700	.03000	.00000	.00000	.00000	.00000
2.674	89.150	.26600	19.37800	.08300	-.00100	9.13200	.03600	.00000	.00000	.00000	.00000
2.674	90.800	.21100	19.36200	.08700	.00000	8.74300	.03500	.00000	.00000	.00000	.00000
2.674	92.420	.14400	19.31200	.09200	-.00200	8.49800	.02000	.00000	.00000	.00000	.00000
2.674	94.070	.07300	19 23700	.10500	-.00200	8.18400	.04900	.00000	.00000	.00000	.00000
2.674	95.650	.00700	19.11600	.11400	-.	7.97400	.07800	.00000	.00000	.00000	.00000
2.674	97.020	-.05300	18.98400	.09500	.00000	7.86400	-.03400	.00000	.00000	.00000	.00000
2.674	98.730	-.11800	18.83700	.12800	-.00200	7.47900	.04600	.00000	.00000	.00000	.00000
2.674	100.220	-.20500	18.66400	.11100	-.00200	7.26400	.06300	.00000	.00000	.00000	.00000
2.674	101.690	-.28100	18.47200	.10500	-.00200	7.01800	-.02400	.00000	.00000	.00000	.00000
2.674	103.190	-.35100	18.26500	.11400	.00000	6.73300	-.01800	.00000	.00000	.00000	.00000
2.674	104.560	-.43500	18.01900	.14500	-.00300	6.52600	.07500	.00000	.00000	.00000	.00000
2.674	106.000	-.53600	17.79100	.10500	.00000	6.15300	-.08400	.00000	.00000	.00000	.00000
2.674	107.180	-.61500	17.53500	.13500	-.00200	5.94100	.06300	.00000	.00000	.00000	.00000
2.674	108.290	-.72200	17.26700	.12800	-.00100	5.77500	.04100	.00000	.00000	.00000	.00000
2.674	109.850	-.83000	16.98600	.14300	-.00300	5.58200	.01700	.00000	.00000	.00000	.00000
2.674	111.120	-.92700	16.69100	.13200	-.00100	5.37300	-.01500	.00000	.00000	.00000	.00000
2.674	112.110	-1.03600	16.38500	.11400	-.00100	5.09100	-.07800	.00000	.00000	.00000	.00000
2.674	115.970	-1.36400	15.36500	.14800	-.00200	4.53300	-.01200	.00000	.00000	.00000	.00000
2.674	118.660	-1.45400	14.99200	.13200	-.00200	4.33400	-.03600	.00000	.00000	.00000	.00000
2.674	120.230	-1.57000	14.61900	.13700	.00000	4.19400	-.04600	.00000	.00000	.00000	.00000
2.674	121.560	-1.68200	14.23300	.11500	-.00100	4.13600	-.01800	.00000	.00000	.00000	.00000
2.674	122.880	-1.76300	13.88200	.11600	.00100	3.93200	-.07600	.00000	.00000	.00000	.00000
2.674	124.310	-1.87000	13.47700	.12600	.00000	3.80600	-.05100	.00000	.00000	.00000	.00000
2.674	125.710	-1.98300	13.07000	.12900	-.00100	3.67000	-.03500	.00000	.00000	.00000	.00000
2.674	127.020	-2.08900	12.66900	.12700	.00000	3.58700	-.02100	.00000	.00000	.00000	.00000
2.674	128.510	-2.17900	12.27000	.11900	-.00100	3.24100	-.02300	.00000	.00000	.00000	.00000
2.674	129.810	-2.26600	11.84100	.13100	.00000	3.13600	-.00800	.00000	.00000	.00000	.00000
2.674	131.160	-2.27000	11.47400	.12600	.00000	2.57900	.00300	.00000	.00000	.00000	.00000
2.674	132.460	-2.24100	11.02800	.12800	.00000	2.29900	.00300	.00000	.00000	.00000	.00000
2.674	137.830	-2.26000	10.60300	.10900	-.00200	1.90400	-.01200	.00000	.00000	.00000	.00000
2.674	135.290	-2.29500	10.17400	.11100	-.00200	1.47000	.01200	.00000	.00000	.00000	.00000
2.674	136.290	-2.33500	9.72400	.09700	-.00300	1.32400	.01800	.00000	.00000	.00000	.00000
2.674	137.960	-2.37500	9.25300	.11000	-.00200	1.08100	-.01100	.00000	.00000	.00000	.00000
2.674	139.270	-2.41300	8.80900	.12300	.00000	.93600	-.02700	.00000	.00000	.00000	.00000
2.674	140.750	-2.44100	8.34700	.13000	.00100	.84100	-.02800	.00000	.00000	.00000	.00000
	GRADIENT	-.05681	-.18713	.00086	.00001	-.15680	-.00134	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED MODEL) (RGE006, (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.9340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000

RUN NO. 51/ 1 RN/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	136.100	-2.34500	10.46200	.08600	-.	.40700	.04600	.00000	.00000	.	.00000
2.004	137.470	-2.38100	10.08700	.06700	-.00400	.19300	.03900	.00000	.00000	.00000	.00000
2.004	138.990	-2.41600	9.60900	.07300	-.00300	.06900	.02600	.00000	.00000	.00000	.00000
2.004	140.350	-2.47300	9.12500	.07300	-.00200	-.08100	.03200	.00000	.00000	.00000	.00000
2.004	141.850	-2.57800	8.60800	.09000	-.00200	-.02600	.02100	.00000	.00000	.00000	.00000
2.004	143.520	-2.70800	8.12200	.07100	-.00400	-.15000	.02200	.00000	.00000	.00000	.00000
2.004	145.010	-2.86500	7.55800	.08000	-.00300	-.13300	.03800	.00000	.00000	.00000	.00000
2.004	146.780	-2.83900	6.94800	.07300	-.00400	-.24200	.02300	.00000	.00000	.00000	.00000
2.004	149.080	-2.80500	6.21300	.07200	-.00300	-.60300	.01100	.00000	.00000	.00000	.00000
2.004	150.840	-2 76900	5.61700	.06500	-.00400	-.84700	.03500	.00000	.00000	.00000	.00000
2.004	152.280	-2.73900	5.13900	.05400	-.00300	-1.01600	-.02300	.00000	.00000	.00000	.00000
2.004	153.810	-2.72200	4.64400	.05600	.00500	-1.26100	.01500	.00000	.00000	.00000	.00000
2.004	155.840	-2.69600	3.96500	.01800	-.00700	-1.65300	-.06600	.00000	.00000	.00000	.00000
2.004	158.040	-2.69800	3.28100	.02100	-.00400	-1.70800	-.10100	.00000	.00000	.00000	.00000
2.004	160.710	-2.57700	2.68400	.04200	-.00400	-1.64700	-.08700	.00000	.00000	.00000	.00000
2.004	162.700	-2 54100	2.07800	.03600	-.00400	-1.60800	-.07700	.00000	.00000	.00000	.00000
2.004	164.850	-2.49900	1.53100	.03600	-.00600	-1.61300	-.04800	.00000	.00000	.00000	.00000
2.004	167.280	-2.47900	1.00300	.05900	-.00400	-1.21200	-.03500	.00000	.00000	.00000	.00000
2.004	169.160	-2.44500	.57300	.05000	-.00400	-1.08900	-.02900	.00000	.00000	.00000	.00000
2.004	172.670	-2.37400	.25600	.02800	-.00400	-1.02000	-.00700	.00000	.00000	.00000	.00000
2.004	175.050	-2.29800	.05000	.02700	-.00300	-.75800	-.03600	.00000	.00000	.00000	.00000
2.004	177.270	-2.22100	-.03200	.04700	-.00500	-.42300	.04100	.00000	.00000	.00000	.00000
2.004	179.940	-2.13700	-.11500	.04500	-.00200	-.01500	.05300	.00000	.00000	.00000	.00000
	GRADIENT	.00725	-.26492	-.00115	-.00003	-.02608	-.00127	.00000	.00000	.00000	.00000

LEWIS T-035 3A6F 142-IN SRB,(SIDE MOUNTED MODEL) (RGE008) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000

RUN NO. 52/ 1 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.674	142.070	-2.46300	7.90100	.11300	.00100	.63000	-.02300	.	.	.	.00000
2.674	143.440	-2.47300	7.42200	.11000	.	.50900	-.02300	.00000	.00000	.00000	.00000
2.674	146.400	-2.48600	6.45000	.09400	-.00100	.26200	-.01200	.00000	.00000	.00000	.00000
2.674	149.320	-2.57300	5.50300	.08500	-.00100	.21300	.02000	.00000	.00000	.00000	.00000
2.674	152.360	-2.79800	4.59300	.09500	-.	.28100	-.04600	.00000	.00000	.00000	.00000
2.674	155.430	-2.72800	3.71700	.08200	.00000	.00500	-.02500	.00000	.00000	.00000	.00000
2.674	158.550	-2.58600	2.91600	.04000	.00000	-.44300	-.06000	.00000	.00000	.00000	.00000
2.674	159.950	-2.53300	2.58600	.04200	.00000	-.56700	-.08500	.00000	.00000	.00000	.00000
2.674	161.570	-2.49000	2.21900	.04700	-.00100	-.69900	-.06900	.00000	.00000	.00000	.00000
2.674	162.850	-2.46400	1.91300	.04000	-.00300	-.71400	-.04400	.00000	.00000	.00000	.00000
2.674	165.230	-2.40100	1.42500	.03500	-.00100	-.65000	-.11600	.00000	.00000	.00000	.00000
2.674	167.870	-2.33500	.91200	.03900	.	-.57300	-.07800	.00000	.00000	.00000	.00000
2.674	169.980	-2.32700	.52700	.03000	-.00100	-.58900	-.09600	.00000	.00000	.00000	.00000
2.674	172.570	-2.24300	.22600	.02600	.00000	-.72600	-.09900	.00000	.00000	.00000	.00000
2.674	174.790	-2.15600	.06800	.03400	.00000	-.66100	-.08300	.00000	.00000	.00000	.00000
2.674	177.150	-2.09900	-.01700	.04300	.00200	-.54000	-.06600	.00000	.00000	.00000	.00000
2.674	179.880	-2.03200	-.07100	.05500	.00000	-.18900	.06400	.00000	.00000	.00000	.00000
	GRADIENT	.01327	-.22152	-.00212	.	-.03191	-.00127	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL) (RGE007) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.
LREF =	3.0000 IN.	YMRP =	.0000 IN.
BREF =	3.0000 IN.	ZMRP =	.0000 IN.
SCALE =	.0211		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000
ALPSWP =	1.000		

RUN NO. 8/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.001	90.750	.47900	20.13100	.07400	-.01100	5.96800	.06900	.73131	-.07834	.69468	-.23160
2.001	92.790	.40100	20.03500	.10100	-.00800	5.56400	.03600	.68167	-.12957	.63131	-.23456
2.001	94.570	.31200	19.93700	.11200	-.00800	5.32700	.03500	.62191	-.17433	.42076	-.24392
2.001	96.170	.18400	19.80700	.08800	-.00700	5.03400	-.01000	.57248	-.20507	.37429	-.25161
2.001	97.850	.09300	19.63700	.09000	-.00700	4.68800	.02300	.51640	-.22986	.33998	-.25675
2.001	99.570	-.04000	19.47800	.12000	-.00400	4.33400	-.01000	.45375	-.24989	.29394	-.25803
2.001	101.460	-.10600	19.31500	.10800	-.00800	4.02700	.08400	.38352	-.25984	.22810	-.25283
2.001	104.040	-.20500	19.05100	.11800	-.00900	3.79500	.12500	.28321	-.26959	.13210	-.26631
2.001	105.130	-.24500	18.78800	.12500	-.00700	3.57700	.08900	.20767	-.27594	.07084	-.27552
2.001	107.400	-.63700	18.39300	.13300	-.00500	3.35100	.12500	.11662	-.28149	.00201	-.28533
2.001	109.360	-.75500	18.08200	.11600	-.00800	3.15400	.14100	.06812	-.28276	-.03161	-.28831
2.001	111.610	-.89500	17.76600	.11100	-.00700	2.97400	.14600	.03001	-.28535	-.05988	-.29175
2.001	112.720	-.98700	17.40500	.10500	-.00500	2.77700	.10100	-.00316	-.28829	-.08497	-.29511
2.001	113.730	-1.06600	17.07800	.11200	-.00700	2.70900	.14000	-.02905	-.29080	-.10519	-.29762
2.001	115.610	-1.20200	16.65000	.11800	-.00700	2.52800	.14500	-.05421	-.29251	-.12752	-.30018
2.001	116.460	-1.30800	16.28800	.11000	-.00400	2.44400	.05200	-.07554	-.29515	-.14759	-.30283
2.001	118.130	-1.40700	15.94000	.09000	-.00600	2.31300	.04900	-.09347	-.29640	-.16550	-.30535
2.001	119.250	-1.50700	15.58400	.08300	-.00700	2.25600	.04700	-.10930	-.29727	-.18090	-.30707
2.001	120.710	-1.62700	15.22200	.08000	-.00400	2.18200	-.02800	-.12376	-.29769	-.19537	-.30835
2.001	122.290	-1.75400	14.83100	.07000	-.00200	2.11300	-.11300	-.13649	-.29679	-.20768	-.30873
2.001	123.730	-1.86200	14.46000	.07800	-.00800	1.99400	.01600	-.14806	-.29727	-.21840	-.30921
2.001	125.140	-1.96200	14.07800	.09000	-.00400	1.87200	-.00900	-.15874	-.29724	-.22735	-.30918
2.001	126.550	-2.05700	13.73900	.06100	-.00700	1.57300	-.01200	-.16719	- 29680	-.23497	-.31002
2.001	128.160	-2.03500	13.35900	.06700	-.00600	1.16000	-.00500	-.17537	-.29388	-.24056	-.30966
2.001	129.350	-2.15300	12.96400	.06700	-.00500	1.01000	-.01900	-.17832	-.27338	-.24183	-.30877
2.001	130.710	-2.19400	12.54700	.05600	-.00500	.80000	-.04000	-.18090	-.25933	-.23887	-.28533
2.001	132.260	-2.24800	12.07100	.06000	-.00500	.70500	-.00300	-.16558	-.25293	-.23630	-.25293
2.001	133.610	-2.30200	11.63100	.05400	-.00600	.61000	-.03600	-.18813	-.24567	-.23501	-.23714
2.001	134.800	-2.34600	11.29000	.06500	-.00500	.63100	.00000	-.18983	-.23712	-.23414	-.23286
	GRADIENT	-.06973	-.21006	-.00113	.00008	-.11504	-.00215	-.02167	-.00236	-.01893	-.00093

LEWIS T-035 SA6F 142-IN SRB, (NOSE MOUNTED MODEL) (RGE007) (02 MAY 74)

REFERENCE DATA

SAEF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000
ALPSWP =	1.000		

RUN NO. 10/ 0 RN/L = 2.38 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.678	91.160	.47000	19.01400	.08100	-.0	5.24400	-.03700	.65516	-.04939	.42043	-.11958
2.678	93.540	.34600	18.93400	.07600	-.00800	4.90300	-.02200	.58358	-.06684	.38512	-.11293
2.678	96.360	.17700	18.69600	.08000	-.00900	4.73100	.00800	.46777	-.09589	.30965	-.11484
2.678	98.340	.06100	18.41400	.06600	-.00700	4.60000	-.01900	.38321	-.11030	.23275	-.12055
2.678	100.380	-.06200	18.13500	.07300	-.00800	4.40200	.02800	.30243	-.11951	.16525	-.12617
2.678	101.930	-.16200	17.92400	.08500	-.00700	4.23600	-.01000	.24719	-.12616	.12585	-.13077
2.678	103.830	-.28400	17.66800	.09200	-.00600	4.02100	-.02600	.19283	-.13176	.08893	-.13534
2.678	105.090	-.37100	17.49000	.08400	-.00500	3.81600	-.03300	.16052	-.13943	.06569	-.14354
2.678	106.870	-.49700	17.21200	.09600	-.00900	3.65100	.04500	.12808	-.13944	.04610	-.14457
2.678	108.760	-.61600	16.95900	.10000	-.	3.46300	.01500	.10038	-.13993	.02456	-.14557
2.678	115.240	-1.10800	15.76600	.08000	-.00700	2.95900	.03100	.01802	-.14549	-.04758	-.15164
2.678	116.620	-1.22600	15.46000	.08200	-.00600	2.84500	-.00400	.00213	-.14654	-.06195	-.15320
2.678	121.110	-1.59600	14.36500	.08200	-.00800	2.53200	.02000	-.03744	-.14915	-.09483	-.15735
2.678	122.390	-1.71600	13.98700	.07500	-.00500	2.41000	.00200	-.04765	-.14919	-.10253	-.15842
2.678	125.380	-1.94300	13.18500	.05800	-.00600	2.30400	.03700	-.06506	-.14657	-.11325	-.15836
2.678	126.620	-2.05400	12.79900	.03600	-.00700	2.29300	.03100	-.07275	-.14707	-.11887	-.15988
2.678	127.890	-2.14700	12.37000	.06200	-.00800	2.16700	.07500	-.07959	-.14765	-.12304	-.16098
2.678	129.380	-2.24400	11.96600	.04700	-.00700	2.06800	.07300	-.08660	-.14865	-.12660	-.16096
2.678	132.350	-2.29100	11.21700	.04700	-.00800	1.46900	.07000	-.09428	-.14912	-.12964	-.16091
2.678	133.660	-2.28500	10.84800	.03900	-.00800	1.24200	.04600	-.09992	-.14915	-.13273	-.16040
2.678	136.500	-2.35400	9.96200	.04700	-.00600	.85400	.03800	-.10404	-.14558	-.13481	-.15891
2.678	137.890	-2.39700	9.53500	.02300	-.00600	.84100	.02200	-.10405	-.13686	-.13429	-.15326
2.678	140.670	-2.46600	8.65700	.02700	-.00800	.81500	.05800	-.10769	-.13384	-.13589	-.15076
	GRADIENT	-.06622	-.21365	-.00111	.00000	-.08881	.00162	-.01392	-.00124	-.01053	-.00093

LEWIS T-035 SA6F 142-IN SRB, NOSE MOUNTED MODEL) 02 MAY 74

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELEVON =	.000	ENGSTK =	.000
ALRSWP =	1.000		

RUN NO. 8/ 1 RNL = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.001	136.410	-2.39900	10.79700	.05700	-.00600	.55500	.00100	-.19755	-.23931	-.23931	-.23717
2.001	137.930	-2.45300	10.32400	.04500	-.00700	.50900	.00100	-.20602	-.24310	-.24481	-.24288
2.001	139.560	-2.52800	9.81100	.03200	-.00600	.46500	.00000	-.20689	-.23713	-.24139	-.23457
2.001	142.240	-2.63100	8.83200	.02400	-.00000	.34300	.00100	-.21077	-.23891	-.23632	-.23453
2.001	142.970	-2.72300	8.59400	.02400	-.00500	.31100	.00200	-.21239	-.23611	-.23752	-.23328
2.001	143.480	-2.79700	8.40300	.02500	-.00400	.31300	.00300	-.21362	-.23492	-.23748	-.23196
2.001	145.840	-2.91200	7.68200	.02100	-.00500	.29300	.01400	-.21622	-.23497	-.23680	-.23404
2.001	146.540	-2.88400	7.43800	.01000	-.00800	.33100	.04300	-.21705	-.23367	-.23693	-.23419
2.001	147.350	-2.86200	7.23700	.02900	-.00600	.38500	.02700	-.21875	-.23499	-.23678	-.24133
2.001	147.900	-2.87300	7.01300	.02800	-.00700	.29700	.03000	-.21918	-.23408	-.23792	-.23962
2.001	148.630	-2.82800	6.80300	.03300	-.00800	.28600	.04000	-.22003	-.23323	-.23706	-.23762
2.001	149.364	-2.80300	6.60700	.03700	-.00700	.22100	.05700	-.22130	-.23280	-.23663	-.23763
2.001	150.060	-2.82200	6.33300	.03100	-.00800	.09500	-.00600	-.22040	-.23062	-.23488	-.23116
2.001	150.874	-2.81900	6.06700	.03900	-.00600	.07300	.02800	-.22174	-.23110	-.23409	-.23766
2.001	151.610	-2.82400	5.88300	.03600	-.00500	-.02700	.06800	-.22137	-.22946	-.23159	-.23158
2.001	152.940	-2.79400	5.53400	.03200	-.00600	-.29700	.01800	-.21715	-.22339	-.22467	-.22539
2.001	153.790	-2.78100	5.08100	.04400	-.00400	-.36700	-.00200	-.21491	-.22129	-.22299	-.22384
2.001	154.610	-2.77500	4.86200	.04200	-.00500	-.46800	-.00100	-.21533	-.21958	-.22043	-.22214
2.001	155.330	-2.78700	4.62600	.02700	-.00400	-.49000	-.03400	-.21399	-.21697	-.21825	-.21995
2.001	156.700	-2.75400	4.10500	.05100	-.00600	-.72100	-.01400	-.21110	-.21201	-.21329	-.21627
2.001	158.780	-2.74600	3.68500	.04700	-.00500	-.83400	-.03300	-.20588	-.20460	-.20546	-.20928
2.001	159.700	-2.73100	3.48500	.05200	-.00400	-.86200	.02800	-.20505	-.20292	-.20420	-.20803
2.001	159.660	-2.70700	3.24600	.04200	-.00900	-.98400	.12500	-.20343	-.20045	-.20172	-.20598
2.001	160.280	-2.66800	3.02400	.04600	-.00200	-1.09300	-.04000	-.20155	-.19731	-.19901	-.20327
2.001	161.180	-2.66400	2.78700	.02200	-.00600	-1.23400	.03000	-.19906	-.19445	-.19659	-.20176
2.001	162.690	-2.59400	2.33100	.05300	-.00300	-1.41900	-.00900	-.19696	-.18930	-.19185	-.19781
2.001	163.440	-2.58800	2.11700	.05500	-.00500	-1.47600	.03000	-.19554	-.18588	-.18758	-.19402
2.001	164.180	-2.57100	1.89100	.07800	-.00700	-1.48800	.12900	-.19339	-.18134	-.18304	-.19111
2.001	165.040	-2.56300	1.67600	.08200	-.00800	-1.47700	.03700	-.19460	-.17654	-.17824	-.18612
2.001	165.850	-2.57300	1.47000	.07000	-.00700	-1.49000	.09400	-.17858	-.17134	-.17347	-.18028
2.001	166.730	-2.56200	1.27900	.06700	-.00500	-1.35600	.06800	-.17318	-.16638	-.16828	-.17351
2.001	167.480	-2.55100	1.10300	.06400	-.00400	-1.25200	.08400	-.16568	-.15992	-.16120	-.16630
2.001	168.300	-2.53400	.93300	.05300	-.00100	-1.15300	.02200	-.16044	-.15491	-.15661	-.16214
2.001	169.120	-2.52000	.77200	.06100	-.00100	-1.10300	-.03100	-.15363	-.14938	-.15109	-.15693
2.001	170.780	-2.48500	.59300	.03300	-.00300	-.89900	-.02900	-.13870	-.13530	-.13743	-.13955
2.001	171.540	-2.46500	.49300	.02400	-.00300	-.78500	.01400	-.13105	-.12764	-.12977	-.13062
2.001	172.290	-2.44400	.40100	.00700	-.00200	-.77500	-.03300	-.12292	-.11909	-.12249	-.12164
2.001	173.930	-2.39400	.27000	.02000	-.00400	-.58100	-.02700	-.10544	-.10374	-.10529	-.10544
2.001	174.750	-2.36800	.20500	.01500	-.00500	-.49900	.03300	-.09784	-.09699	-.09911	-.09869
2.001	175.590	-2.34200	.15900	.02600	-.00500	-.41900	.02700	-.09314	-.09187	-.09399	-.09357
2.001	176.370	-2.31200	.11300	.00100	.00000	-.37600	-.03600	-.08932	-.08817	-.09002	-.08932
2.001	177.220	-2.28900	.08400	.01100	-.00600	-.26800	.01400	-.08634	-.08548	-.08634	-.08676

LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL) (RGE008) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTR =	.000
ALPSWP =	1.000		

RUN NO. 8/ 1 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNN	CYN	CBL	CLNN	CYNN	CPB1	CPB2	CPB3	CPB4
2.001	178.080	-2.	.04800	.01600	-.	-.1	-.06300	-.08422	-.08422	-.08422	-.08507
2.001	179.330	-2.15000	.01200	.	-.00300	-.04100	.01800	-.08218	-.08218	-.08218	-.08260
2.001	179.660	-2.14700	.	.	.	-.01600	-.09200	-.08217	-.08174	-.08174	-.08259
2.001	180.660	-2.14900	-.05300	-.00500	-.00300	.11700	-.02900	-.08289	-.08204	-.08161	-.08331
2.001	181.430	-2.22300	-.07500	.00200	-.	.13800	-.01800	-.08288	-.08203	-.08246	-.08373
2.001	182.350	-2.24700	-.10700	.01000	-.00300	.26800	-.04300	-.08336	-.08209	-.08294	-.08379
2.001	183.370	-2.27400	-.14600	.02100	-.00100	.35300	-.07200	-.08547	-.08420	-.08632	-.08547
2.001	184.310	-2.31000	-.19500	.01900	-.00300	.45300	.00500	-.08890	-.08763	-.09145	-.08890
	GRADIENT	.01303	-.23891	-.00056	.	-.01451	-.00146	.00354	.00421	.00426	.00439

LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL) (RGE008) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.
LREF =	3.0000 IN.	YMRP =	.0000 IN.
BREF =	3.0000 IN.	ZMRP =	.0000 IN.
SCALE =	.0211		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000
ALPSWP =	1.000		

RUN NO. 10/ 1 RN/L = 2.38 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.678	142.370	-2.49300	8.17200	.03100	-.	.70500	.07200	-.11019	-.13326	-.13685	-.14967
2.678	143.670	-2.51600	7.63800	.00100	-.00600	.67300	.02700	-.11218	-.13423	-.13269	-.14705
2.678	141.630	-2.48100	8.37500	.01100	-.00400	.79200	.00200	-.11124	-.13432	-.13739	-.14714
2.678	139.670	-2.45500	8.96400	.02100	-.00500	.85500	.05100	-.10502	-.13219	-.13783	-.14654
2.678	137.580	-2.37900	9.59400	.01400	-.00900	.84700	.05000	-.09391	-.13057	-.13579	-.14400
2.678	135.490	-2.31500	10.27000	.04300	-.01000	1.03700	.14700	-.10040	-.13527	-.13629	-.14706
2.678	139.660	-2.35400	9.83500	.03000	-.00500	.93600	.01400	-.10097	-.13582	-.13592	-.14710
2.678	138.800	-2.43100	9.41700	.01800	-.00600	.91800	.01700	-.10195	-.13218	-.13526	-.14439
2.678	141.240	-2.47000	8.51000	.03900	-.00900	.80900	.08700	-.10608	-.13171	-.13581	-.14504
2.678	142.760	-2.50600	8.06900	.03400	-.00500	.75400	.01300	-.10858	-.13165	-.13729	-.14600
2.678	144.460	-2.87100	5.78100	.00100	-.00600	.96700	.03700	-.11515	-.13156	-.13721	-.14028
2.678	151.740	-2.86200	5.47700	.01400	-.00100	.86000	-.00500	-.11521	-.13152	-.13675	-.13980
2.678	153.770	-2.61400	4.49600	.01200	-.00700	.76700	.18200	-.11472	-.13113	-.13575	-.13826
2.678	155.280	-2.77300	4.09900	.01600	-.00700	.69300	.09600	-.11567	-.13002	-.13463	-.13596
2.678	158.09	-2.63800	3.33200	.00900	-.00300	.29300	.04900	-.11930	-.12904	-.13314	-.13356
2.678	159.660	-2.59100	2.96300	.02000	-.00600	.11500	.07100	-.12134	-.12749	-.13108	-.13108
2.678	162.690	-2.50600	2.22600	.01200	-.00600	-.09500	.09500	-.12789	-.12595	-.12954	-.13002
2.678	164.210	-2.46700	1.85900	.00500	-.00800	-.20700	.08000	-.13 88	-.12286	-.12645	-.12747
2.678	165.740	-2.43000	1.51100	.01100	-.00500	-.36000	.09400	-.12630	-.12084	-.12392	-.12597
2.678	167.330	-2.40400	1.17400	.02300	-.00300	-.49900	-.00600	-.12093	-.11878	-.12185	-.12442
2.678	168.960	-2.42600	.84400	-.01500	-.00900	-.49700	.13100	-.11874	-.11516	-.11977	-.12131
2.678	170.540	-2.39400	.55200	.00700	.00100	-.49900	-.01800	-.11515	-.11105	-.11515	-.11617
2.678	172.[illegible]	-2.35300	.35900	.02200	-.00700	-.47500	.12700	-.10693	-.10283	-.10744	-.10744
2.678	172.990	-2.32700	.26400	.03800	.00200	-.45300	-.22500	-.09931	-.09726	-.10341	-.10392
2.678	174.700	-2.27000	.15100	.00600	.00200	-.36300	-.05800	-.08392	-.08136	-.08700	-.08598
2.678	175.550	-2.24000	.11700	.01000	-.00200	-.29900	-.02700	-.07679	-.07423	-.07782	-.07679
2.678	176.990	-2.20200	.09000	.02400	-.00800	-.23300	.22500	-.07115	-.06961	-.07167	-.07115
2.678	177.680	-2.13100	.05300	.00000	-.00400	-.21700	.09100	-.06555	-.06607	-.06709	-.06709
2.678	178.900	-2.06900	-.00500	.00100	-.00700	-.10600	.00700	-.06461	-.06410	-.06513	-.06513
2.678	179.990	-2.09100	-.04500	-.01800	.00100	.02900	-.13500	-.06411	-.06360	-.06360	-.06463
2.678	181.180	-2.09600	-.08500	-.01300	-.00800	.13200	.12200	-.06463	-.06411	-.06463	-.06514
2.678	182.260	-2.11600	-.14400	.00400	-.00400	.26600	.10900	-.06521	-.06470	-.06521	-.06675
2.678	183.580	-2.21200	-.18100	.00700	-.00400	.29000	.06300	-.06979	-.06979	-.01031	-.07082
2.678	185.060	-2.25700	-.24300	.02500	-.00600	.36100	.03800	-.07702	-.07650	-.07753	-.07702
	GRADIENT	.00753	-.22762	-.00036	.00006	-.02542	-.00032	.00074	.00150	.00153	.00177

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE008) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
ALPROT =	.000	PYOSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	ENGSTK =	.000

RUN NO. 5/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYN	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.005	-5.210	1.10100	-.54200	-.00700	.	-1.14800	-.07900	-.18732	-.18011	-.25799	-.26484
2.005	-4.100	1.08400	-.45000	-.00100	.	-.82700	-.10200	-.18153	-.17628	-.25548	-.26411
2.005	-3.220	1.07500	-.37400	-.01600	.00100	- 63500	-.09700	-.17790	-.17357	-.25327	-.26198
2.005	-2.240	1.06400	-.29400	.00500	.	-.42300	-.09300	-.17432	-.16891	-.21181	-.25796
2.005	-1.270	1.05600	-.22000	-.00500	.	-.24600	-.07200	-.17106	-.16565	-.15772	-.25364
2.005	-.370	1.05100	-.13700	-.01400	-.00100	-.10000	-.07000	-.16816	-.16383	-.14797	-.24893
2.005	.840	1.05500	-.03300	.	-.00100	.05300	-.10300	-.16921	-.16668	-.12774	-.24927
2.005	2.030	1.06500	.06300	-.01200	-.00100	.22800	-.09100	-.17077	-.17149	-.10337	-.25008
2.005	2.840	1.07700	.13600	-.02400	.	.38000	-.08700	-.17323	-.17575	-.06581	-.25193
2.005	3.880	1.09100	.21000	-.00300	-.00100	.61800	-.09200	-.17753	-.18114	-.01896	-.25361
2.005	4.880	1.10600	.29500	-.04000	-.	.85100	-.08300	-.18085	-.18590	-.02663	-.25655
2.005	6.420	1.12000	.44200	-.06700	.00100	1.23700	-.01600	-.18407	-.19020	-.09792	-.25978
2.005	8.130	1.12400	.62800	-.12500	-.00100	1.71400	.09300	-.18796	-.19373	-.15010	-.26189
2.005	9.740	1.12700	.85300	-.21700	.	2.21000	.20800	-.19449	-.19737	-.16169	-.26297
2.005	11.390	1.12900	1.12600	-.31300	-.00200	2.86300	.24300	-.20531	-.20423	-.18549	-.26568
2.005	13.000	1.12700	1.45400	-.38400	-.00100	3.42300	.40100	-.21434	-.21254	-.20209	-.26697
2.005	14.750	1.13200	1.85600	-.39600	.	4.05800	.43900	-.22191	-.22082	-.20785	-.26805
2.005	16.290	1.12800	2.30700	-.34700	-.00100	4.58700	.31400	-.22732	-.22552	-.20065	-.26806
2.005	17.850	1.12900	2.75000	-.31600	.00300	5.04800	.39800	-.23454	-.22949	-.19669	-.26806
2.005	19.390	1.12400	3.22000	-.25700	.	5.36300	.23800	-.23987	-.23230	-.18797	-.26619
2.005	20.880	1.11900	3.71300	-.19500	.00400	5.51300	.10100	-.24063	-.23594	-.17214	-.26370
2.005	22.380	1.12500	4.20300	-.12800	.00500	5.68100	-.03700	-.24358	-.24141	-.16394	-.26268
2.005	23.890	1.11900	4.72100	-.08100	.00800	5.85000	-.13900	-.24421	-.24638	-.16165	-.26332
2.005	25.310	1.12700	5.21700	-.05900	.00800	5.93100	-.22000	-.24500	-.24968	-.15345	-.26338
2.005	26.800	1.15400	5.73500	-.05800	.00900	6.05200	-.17800	-.24390	-.24931	-.15742	-.26697
2.005	28.220	1.17700	6.23800	-.02800	.00800	6.12900	-.22300	-.24347	-.24600	-.17932	-.27087
2.005	29.620	1.18200	6.76400	.02300	.00900	6.22600	-.18200	-.24524	-.24885	-.18650	-.27336
2.005	31.040	1.19600	7.29800	.03600	.01000	6.27400	-.12800	-.24955	-.25352	-.18469	-.27911
2.005	32.550	1.17900	7.85800	.04600	.01000	6.33800	-.04700	-.25391	-.25499	-.18327	-.28346
2.005	33.900	1.19000	8.36600	.03800	.01000	6.41700	.00900	-.25287	-.24999	-.18120	-.28457
2.005	35.350	1.20500	8.88300	.01600	.01200	6.53900	.05300	-.25359	-.25107	-.17649	-.28603
2.005	36.730	1.22200	9.37300	.06000	.00700	6.77300	-.12300	-.25466	-.24961	-.17067	-.28710
2.005	38.200	1.21500	9.88300	.04100	.00900	7.02400	-.15500	-.25315	-.24702	-.16228	-.28742
2.005	39.580	1.22000	10.35600	.03000	.01100	7.28000	-.06500	-.25029	-.24524	-.15189	-.28706
	GRADIENT	.00250	.08320	-.00328	-.00031	.17608	.00079	.00006	-.00109	.02756	.00098

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE009) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	ENGSTK =	.000

RUN NO. 6/ 0 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.672	-5.230	.84600	-.61400	-.00900	.00800	-1.27800	-.00400	-.11638	-.11535	-.10003	-.14090
2.672	-4.250	.83700	-.51900	-.02700	.00700	-1.01400	.00600	-.11785	-.11532	-.11070	-.14340
2.672	-3.210	.82900	-.42600	-.00300	.00300	-.78000	-.02300	-.11582	-.11378	-.09640	-.14291
2.672	-2.200	.82200	-.35900	-.01100	.00200	-.52800	.01500	-.11229	-.11025	-.07090	-.14142
2.672	-1.210	.81600	-.26900	-.02000	.00300	-.29500	.05000	-.11170	-.10813	-.05653	-.14031
2.672	-.270	.81500	-.18900	-.02200	.00300	-.17700	.04100	-.11128	-.10822	-.02340	-.13888
2.672	.910	.81600	-.09400	.00000	.00000	.04600	-.05200	-.11080	-.10876	.02709	-.13737
2.672	1.880	.82200	-.01500	-.01800	.00000	.20700	-.04700	-.11240	-.10933	.08065	-.13641
2.672	2.910	.83100	.06800	-.01400	.00300	.44900	.04500	-.11134	-.11083	.16947	-.13586
2.672	3.920	.83700	.15300	-.01700	.00200	.70900	.03400	-.11235	-.11235	.18421	-.13584
2.672	4.960	.84300	.24100	-.05200	.00200	.97200	-.00700	-.11599	-.11599	.11327	-.13646
2.672	6.380	.85500	.38900	-.07400	.00300	1.34600	.13400	-.12011	-.11909	.10240	-.13951
2.672	8.440	.86200	.60000	-.15200	.00000	1.82400	.12500	-.12369	-.12216	.18259	-.13901
2.672	9.560	.87500	.85600	-.23800	.00200	2.35400	.29800	-.12670	-.12517	.07952	-.13098
2.672	11.330	.88000	1.19900	-.20200	.00500	2.76200	.38200	-.13186	-.12982	.00293	-.14207
2.672	12.870	.88300	1.56700	-.18600	.00200	3.03700	.20300	-.13589	-.13334	-.03484	-.14406
2.672	14.430	.88300	1.95600	-.15900	.00400	3.28700	.19400	-.13647	-.13438	-.05575	-.14510
2.672	16.010	.88900	2.36800	-.10900	.00500	3.45900	.12800	-.14156	-.13594	-.07313	-.14666
2.672	17.550	.89600	2.77700	-.08600	.00800	3.65600	.09100	.14259	-.13646	-.08133	-.14770
2.672	19.040	.91000	3.19800	-.03600	.00700	3.74100	-.00100	-.14497	-.13743	-.08434	-.14815
2.672	20.540	.92800	3.61800	-.04400	.00700	3.87700	-.05900	-.14461	-.13899	-.08691	-.14921
2.672	22.040	.94400	4.05000	-.03400	.01000	4.03400	-.02600	-.14411	-.13951	-.08538	-.15075
2.672	23.490	.94500	4.47700	-.02300	.00800	4.14200	-.05700	-.14404	-.13893	-.07307	-.15068
2.672	24.900	.95300	4.92700	.02500	.00700	4.23700	-.18000	-.14303	-.13844	-.05931	-.15069
2.672	26.370	.95700	5.37600	.01500	.00800	4.31400	-.11800	-.14199	-.13688	-.05160	-.15118
2.672	27.780	.97800	5.83400	.01500	.00900	4.35800	-.03700	-.14148	-.13589	-.04654	-.15067
2.672	29.240	.98800	6.28700	.02900	.00700	4.54100	.02400	-.14147	-.13687	-.04344	-.15117
2.672	30.640	1.01000	6.72700	-.00400	.00800	4.71000	-.01100	-.14100	-.13691	-.03987	-.15071
2.672	32.050	1.03100	7.18900	-.02400	.01500	4.84100	.12500	-.13994	-.13637	-.03680	-.15068
2.672	33.460	1.04900	7.64300	.00600	.00800	5.02200	-.00500	-.13943	-.13636	-.03221	-.15019
2.672	34.820	1.06900	8.12100	-.02800	.01000	5.13400	.02900	-.13988	-.13784	-.02961	-.15112
2.672	36.230	1.08700	8.59000	.01600	.00500	5.32100	-.14500	-.13942	-.13840	-.02455	-.15066
2.672	37.660	1.09500	9.00400	-.01300	.01100	5.52100	.01900	-.13530	-.13837	-.01935	-.15012
2.672	39.030	1.10600	9.45300	-.02900	.00900	5.65100	-.02500	-.12301	-.13731	-.01525	-.15008
	GRADIENT	.00104	.08221	-.00182	-.00035	.20667	.00020	.00026	.00003	.03342	.00080

LEWIS T-035 SA8F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE010) (02 MAY 74)

REFERENCE DATA

BREF = 7.0686 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 45.000
ALPROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = 1.000 ENGSTK = .000

RUN NO. S/ 1 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYN	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.005	41.000	1.22700	10.82300	-.01400	.01600	7.51600	.02800	-.24956	-.24776	-.14146	-.28885
2.005	42.400	1.23200	11.31900	-.	.01400	7.69300	-.07200	-.24745	-.24925	-.12838	-.29033
2.005	43.840	1.22800	11.83200	-.01100	.01300	7.	-.15200	-.24136	-.24785	-.11669	-.29146
2.005	33.990	1.19600	8.30400	.01600	.	6.41300	-.07900	-.25292	-.24823	-.17795	-.28283
2.005	36.560	1.19600	9.26900	.01200	.01200	6.62500	-.06300	-.25500	-.25103	-.17606	-.28780
2.005	37.970	1.19300	9.77900	.	.01100	6.	-.15100	-.25213	-.24816	-.17070	-.28816
2.005	39.400	1.20100	10.	-.02500	.01100	7.25000	-.14700	-.24777	-.24597	-.16164	-.28778
2.005	40.800	1.20800	10.72400	-.	.01300	7.43500	-.10800	-.24458	-.24890	-.14911	-.28963
2.005	42.260	1.	11.22100	-.02300	.01200	7.70600	-.14700	-.23914	-.25175	-.13574	-.29104
2.005	43.720	1.21100	11.78400	-.	.01200	7.84600	-.15800	-.23123	-.24924	-.1	-.29212
2.005	45.010	1.21000	12.22300	-.02600	.01100	8.07700	-.15900	-.22214	-.24881	-.11152	-.29243
2.005	46.490	1.20800	12.69600	-.03500	.01100	8.33100	-.16700	-.21138	-.24958	-.10327	-.29356
2.005	47.900	1.20100	13.16500	-.01300	.01100	8.59800	-.15100	-.19556	-.24996	-.09976	-.29392
2.005	49.340	1.18400	13.61300	-.02800	.	8.86600	-.16400	-.18007	-.24854	-.10046	-.29575
2.005	50.780	1.17200	14.03900	-.02600	.01200	9.15500	-.09400	-.16742	-.24742	-.10148	-.29825
2.005	52.200	1.17700	14.45000	-.04400	.01200	9.50200	-.09900	-.15986	-.24707	-.10150	-.29970
2.005	53.620	1.17300	14.84500	-.	.01100	9.79600	-.14500	-.15264	-.24415	-.10113	-.29964
2.005	55.060	1.15600	15.23200	-.03100	.01100	10.02900	-.17100	-.14327	-.23982	-.10113	-.29855
2.005	56.480	1.14200	15.	-.03700	.01200	10.28900	-.16200	-.13349	-.23402	-.10359	-.29709
2.005	57.940	1.09400	15.99700	-.04500	.01100	10.52400	-.15000	-.12039	-.22300	-.10744	-.29430
2.005	59.380	1.05300	16.35300	-.04500	.01200	10.73800	-.13800	-.11180	-.21298	-.11036	-.29218
2.005	60.860	1.00800	16.73800	-.05400	.01100	10.92300	-.10100	-.08760	-.19900	-.10887	-.28628
2.005	62.390	.95600	17.08900	-.04500	.01100	11.10300	-.08900	-.05992	-.18026	-.10495	-.27541
2.005	63.890	.90000	17.45000	-.05500	.01000	11.28300	-.10500	-.04926	-.16196	-.09931	-.26029
2.005	65.430	.84100	17.79000	-.06700	.01100	11.41800	-.09300	-.04518	-.14279	-.09056	-.24295
2.005	66.910	.78200	18.11700	-.06200	.01000	11.48600	-.11000	-.03983	-.12301	-.08124	-.22691
2.005	68.460	.72200	18.45000	-.08000	.01000	11.55600	-.02900	-.03261	-.10211	-.05962	-.22458
2.005	70.030	.66000	18.73000	-.08100	.01000	11.64200	-.00500	-.02119	-.07879	-.03162	-.21459
2.005	71.630	.58930	19.02100	-.07900	.01100	11.62000	-.00200	-.00203	-.05640	-.01427	-.19651
2.005	73.230	.50200	19.30500	-.08300	.00800	11.62600	-.04100	.02574	-.03043	.01170	-.17199
2.005	77.230	.25900	19.87100	-.09500	.00900	11.39100	-.03900	.13468	.05163	.12677	-.10146
2.005	79.170	.15900	20.12400	-.08800	.00700	11.15200	-.06200	.20097	.12360	.17146	-.07405
2.005	80.850	.03600	20.29700	-.10300	.00800	10.85800	-.00500	.27583	.19192	.19480	-.05931
2.005	82.570	-.12600	20.43900	-.09800	.00600	10.58700	-.09400	.34623	.27573	.23652	-.04746
2.005	84.160	-.22200	20.56500	-.09500	.00800	10.31200	-.13700	.40413	.33832	.26590	-.03630
2.005	85.820	-.34900	20.64300	-.07100	.00800	10.04600	-.13800	.45766	.41595	.33216	.00796
2.005	87.520	-.46000	20.69400	-.06300	.00900	9.80600	-.07900	.51578	.50140	.37409	.19097
2.005	89.300	-.54800	20.70200	-.05500	.01000	9.48500	-.15600	.56733	.62016	.49759	.49651
	GRADIENT	-.03139	.25103	-.00177	-.00008	.07857	.00091	.01350	.01269	.00907	.00761

LEWIS T-033 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE010) (02 MAY 74)

REFERENCE DATA

SREF =	7.3590 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	ENGSTK =	.000

RUN NO. 6/ 1 RN/L = 8.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.672	40.410	1.11600	9.91900	-.03200	.01000	5.85400	-.07700	-.11280	-.13731	-.01528	-.15007
2.672	41.835	1.12700	10.56800	-.01400	.00800	6.06200	.01600	-.10264	-.13787	-.01483	-.15013
2.672	43.210	1.13800	10.82400	-.04400	.	6.27200	-.09000	-.09493	-.13783	-.01424	-.14958
2.672	34.060	1.05700	7.87300	-.01500	.01200	5.04900	.07800	-.12811	-.13884	-.04177	-.15162
2.672	36.460	1.08300	8.59800	-.02600	.00900	5.44200	-.10900	-.12044	-.14087	-.03824	-.15312
2.672	37.820	1.09800	9.05800	-.01200	.01200	5.58200	.00300	-.11262	-.13868	-.03497	-.15248
2.672	39.230	1.10800	9.51600	-.03200	.01000	5.79700	-.03300	-.09380	-.13720	-.03202	-.15201
2.672	40.610	1.11900	9.99000	-.03100	.01100	5.95500	.00800	-.09376	-.13772	-.02886	-.15254
2.672	42.020	1.12900	10.45600	-.03600	.00900	6.18400	-.02000	-.08659	-.13663	-.02225	-.15042
2.672	43.430	1.14100	10.90700	-.04800	.00800	6.40800	-.03000	-.08301	-.13717	-.02017	-.15096
2.672	44.840	1.14800	11.35300	-.04600	.00800	6.64300	-.07200	-.08105	-.13671	-.02236	-.14998
2.672	46.240	1.15900	11.79800	-.05300	.00700	6.81100	-.07000	-.07694	-.13562	-.02082	-.14888
2.672	47.550	1.17300	12.24600	.05600	.00800	6.93500	-.07400	-.07113	-.13607	-.02369	-.14834
2.672	49.000	1.18800	12.70800	-.07500	.01000	7.18000	-.03300	-.06661	-.13605	-.02529	-.14779
2.672	51.860	1.20200	13.62100	-.07100	.00800	7.65500	-.08000	-.05681	-.13499	-.02891	-.14948
	GRADIENT	.00602	.52497	-.00362	-.00021	.15024	-.00484	.00408	.00026	.00084	.00027

LEWIS T-035 SA6F 142-IN SRB, (NOSE MOUNTED) (RGE011) (02 MAY 74)

REF E DATA

SREF =	7. SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	ENGSTK =	.000

RUN NO. 16/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNN	CYN	CBL	CLMN	CYMN	CPB1	CPB2	CPB3	CPB4
2.001	90.500	.54700	20.15300	.06400	-.01000	5.92200	-.07800	.72303	-.07501	.68842	-.22575
2.001	92.500	.47800	20.05500	.08700	-.	5.54800	-.07600	.68152	-.12807	.54264	-.23511
2.001	94.500	.35700	19.95400	.09200	-.01100	5.30400	.01500	.61220	-.16374	.40749	-.24839
2.001	96.230	.25800	19.83400	.08900	-.00700	5.03100	-.04400	.56289	-.21587	.36374	-.25968
2.001	98.020	.12400	19.68500	.10100	-.00700	4.72100	-.02700	.50508	-.24020	.32937	-.26078
2.001	99.480	.00600	19.53500	.08000	-.00800	4.37200	-.03100	.44659	-.21509	.28761	-.26037
2.001	101.310	-.23800	19.35800	.07900	-.00600	4.02500	-.02600	.36804	-.26721	.21585	-.26593
2.001	103.170	-.37300	19.09200	.09100	-.	3.82100	.02800	.27002	-.27711	.12123	-.27283
2.001	104.850	-.44900	18.84700	.08800	-.00800	3.61700	.06000	.19785	-.28301	.06230	-.27873
2.001	104.780	-.44500	18.85200	.10800	-.00400	3.59500	-.03000	.19775	-.26088	.06222	-.27831
2.001	106.120	-.54100	18.63400	.11500	-.	3.45900	.03800	.14134	-.26174	.02075	-.28003
2.001	107.920	-.67200	18.32900	.10400	-.00500	3.27600	.03200	.06240	-.26386	-.02068	-.28429
2.001	109.410	-.79700	17.99400	.11500	-.00400	3.09600	.03100	.03832	-.26819	-.05408	-.29119
2.001	111.030	-.91300	17.65900	.09200	-.00700	2.93200	.05300	.00192	-.29076	-.08107	-.29547
2.001	112.500	-1.03200	17.33700	.09000	-.00400	2.78700	.00600	-.02844	-.29286	-.10287	-.29885
2.001	114.060	-1.15100	16.96400	.10300	-.	2.66100	-.01700	-.05581	-.29368	-.12639	-.30096
2.001	115.480	-1.25600	16.62100	.08500	-.00300	2.55300	-.05000	-.07794	-.29537	-.14641	-.30351
2.001	117.150	-1.39400	16.23700	.10100	-.	2.49700	-.04500	-.10021	-.29619	-.16695	-.30561
2.001	118.660	-1.54500	15.84000	.07100	-.00100	2.40600	-.13500	-.11647	-.29579	-.18322	-.30607
2.001	120.140	-1.62800	15.46200	.06600	-.	2.30900	-.10900	-.13102	-.29533	-.19691	-.30689
2.001	121.600	-1.73800	15.09900	.05800	-.00300	2.20700	-.11600	-.14607	-.29707	-.20851	-.30648
2.001	123.060	-1.86100	14.74400	.05800	-.00300	2.18500	-.10500	-.15887	-.29752	-.21792	-.30566
2.001	124.490	-1.99200	14.35800	.05300	-.00300	2.06600	-.11500	-.16911	-.29705	-.22667	-.30518
2.001	125.860	-2.09200	14.00300	.06800	-.00400	1.94900	-.04500	-.18025	-.29877	-.23501	-.30733
2.001	128.180	-2.12600	13.63900	.06200	-.00200	1.37900	-.07900	-.18626	-.29654	-.23931	-.30691
2.001	129.790	-2.20200	13.23300	.06900	.00000	1.23300	-.10700	-.18429	-.28128	-.24149	-.30481
2.001	131.430	-2.23900	12.82300	.06300	-.00100	1.03000	-.09800	-.19010	-.25256	-.24015	-.29749
2.001	132.420	-2.27300	12.59500	.07300	-.00100	.90400	-.08000	-.19224	-.23459	-.23759	-.28679
2.001	133.780	-2.33100	11.95000	.06500	-.00100	.79100	-.08600	-.19566	-.22990	-.23675	-.27740
2.001	134.680	-2.37100	11.49200	.05200	-.00100	.73800	-.10300	-.19556	-.22519	-.23546	-.27013
	GRADIENT	-.07102	-.20370	-.00081	.00029	-.10753	-.00232	-.32117	-.00186	-.01823	-.00126

LEWIS T-035 SA6F 142-IN SPB, (NOSE MOUNTED MODEL) (RGE011) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.FN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 45.000
ALPROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = 1.000 ENGSTK = .000

RUN NO. 17/ 0 RN/L = 2.35 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.676	91.210	.47000	19.08000	.05100	-.00700	5.23400	-.12000	.65066	-.04143	.40757	-.11760
2.676	93.290	.36300	19.01000	.05500	-.00700	4.92500	-.11900	.58998	-.07842	.37774	-.11599
2.676	94.920	.26500	18.89100	.06000	-.00600	4.78500	-.12700	.52386	-.09740	.34549	-.11902
2.676	96.530	.16400	18.70400	.04800	-.00700	4.69300	-.10800	.45424	-.10828	.28977	-.12063
2.676	98.340	.05500	18.46600	.04000	-.00900	4.58200	-.05200	.37531	-.11805	.21795	-.12372
2.676	100.010	-.04600	18.22700	.04000	-.00500	4.42600	-.13500	.30936	-.12572	.16335	-.12829
2.676	101.700	-.15600	18.01200	.02700	-.00300	4.25900	-.15100	.24827	-.13193	.12123	-.13554
2.676	103.600	-.28000	17.75400	.06700	-.00500	4.02800	-.06400	.19111	-.14018	.08362	-.14223
2.676	105.220	-.38400	17.54200	.07000	-.00200	3.81900	-.09700	.15159	-.14274	.05950	-.14532
2.676	106.670	-.48600	17.30500	.06600	-.00100	3.67700	-.09200	.12275	-.14218	.04355	-.14629
2.676	108.280	-.60200	17.04800	.05900	-.00300	3.49200	-.07900	.09352	-.14324	.02199	-.14787
2.676	109.950	-.72500	16.76600	.06600	-.00100	3.37600	-.09500	.06729	-.14319	.00246	-.14783
2.676	111.590	-.84600	16.48700	.04000	-.00200	3.22100	-.09100	.04311	-.14530	-.01814	-.15097
2.676	113.150	-.96900	16.19700	.04600	-.00200	3.11300	-.08800	.02255	-.14627	-.03715	-.15243
2.676	114.780	-1.08300	15.88400	.04600	-.00300	3.00200	-.09300	.00238	-.14843	-.05424	-.15461
2.676	116.170	-1.20800	15.54600	.05700	-.00300	2.94700	-.05800	-.01403	-.14941	-.06756	-.15662
2.676	118.080	-1.33500	15.21600	.07400	.00000	2.85500	-.08100	-.02902	-.15153	-.07894	-.15771
2.676	119.380	-1.45700	14.85000	.05700	-.00100	2.75300	-.07300	-.04229	-.15141	-.08706	-.15810
2.676	120.700	-1.57100	14.49400	.04000	.00000	2.60900	-.07300	-.05413	-.15244	-.09582	-.15913
2.676	122.070	-1.69400	14.12400	.04900	-.00200	2.59800	-.04600	-.06289	-.15294	-.10251	-.16014
2.676	123.460	-1.80400	13.72500	.04400	-.00200	2.53100	-.02300	-.07010	-.15194	-.10819	-.16069
2.676	124.960	-1.92000	13.31400	.04800	-.00200	2.49500	-.00700	-.07791	-.15098	-.11341	-.16127
2.676	126.410	-2.02900	12.92000	.04600	-.00200	2.44500	-.00700	-.08246	-.14991	-.11851	-.16123
2.676	127.800	-2.13100	12.53000	.04100	-.00300	2.37200	.00800	-.08822	-.14946	-.12218	-.16130
2.676	129.190	-2.21400	12.09900	.03400	-.00400	2.24300	.03200	-.09278	-.14782	-.12518	-.16068
2.676	130.620	-2.30800	11.69900	.03800	-.00500	2.09800	.07500	-.09742	-.14784	-.12778	-.16071
2.676	135.530	-2.30100	10.56400	.02400	-.00200	1.18200	.03100	-.10771	-.14733	-.13446	-.16225
2.676	136.590	-2.33300	10.11300	.03500	-.00300	1.01900	.10000	-.10823	-.14219	-.13447	-.16071
2.676	137.870	-2.37200	9.68500	.03900	.00000	.96500	.00700	-.10821	-.13652	-.13343	-.15813
2.676	139.130	-2.40700	9.24600	.03300	-.00300	.97700	.07300	-.11023	-.13595	-.13441	-.15602
2.676	140.430	-2.43800	8.77800	.03100	.00200	.88300	.00100	-.11183	-.13653	-.13653	-.15454
	GRADIENT	-.06513	-.21346	-.00043	.00010	-.08391	.00390	-.01388	-.00104	-.01022	-.00089

LEWIS T-035 SA8F 142-IN SRB, (NOSE MOUNTED MODEL) (RGE012) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 5.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 45.000
ALPROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = 1.000 ENGSTK = .000

RUN NO. 18/ 1 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CMM	CYN	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.001	135.830	-2.41000	11.04100	.04500	-.00300	.70600	-.07400	-.20116	-.22856	-.23841	-.26794
2.001	137.270	-2.44900	10.60000	.06100	-.	.74000	-.08200	-.20759	-.23455	-.24268	-.27093
2.001	138.620	-2.48700	10.12600	.08000	-.	.61000	-.02300	-.21229	-.24054	-.24567	-.27030
2.001	133.440	-2.43400	10.95500	.05100	.	.83200	-.09300	-.20.73	-.23168	-.24153	-.27063
2.001	141.980	-2.67800	8.98400	.05000	.	.59900	-.01200	-.21535	-.23650	-.24078	-.24762
2.001	143.550	-2.75700	8.53800	.05550	.00300	.55800	-.07800	-.21673	-.23726	-.24069	-.24496
2.001	144.830	-2.89600	8.05500	.05300	-.00100	.63300	.03300	-.21850	-.23903	-.24246	-.24460
2.001	146.290	-2.87600	7.60800	.05500	.	.60500	.05800	-.21897	-.23993	-.24293	-.24421
2.001	147.810	-2.96300	7.13900	.06200	.	.51200	.06100	-.21844	-.23769	-.23963	-.24069
2.001	149.030	-2.85100	6.74500	.07400	.	.39400	-.00300	-.22017	-.23557	-.23771	-.23771
2.001	150.430	-2.85500	6.28300	.07300	.00100	.29800	-.02600	-.22097	-.23295	-.23509	-.23637
2.001	151.330	-2.81000	5.82800	.	.00000	.11900	-.06500	-.22186	-.22956	-.23128	-.23299
2.001	153.350	-2.78700	5.30600	.06500	.00000	-.09300	-.00600	-.22060	-.22359	-.22359	-.22573
2.001	154.770	-2.77200	4.85200	.09300	.00400	-.24800	-.03500	-.21718	-.21761	-.21803	-.21932
2.001	156.290	-2.73100	4.35300	.11300	.00500	-.47000	.08900	-.21195	-.21153	-.21238	-.21324
2.001	157.710	-2.72700	3.87200	.11500	.00500	-.67500	.25400	-.20952	-.20738	-.21038	-.20995
2.001	159.160	-2.66800	3.45900	.09800	.00200	-.85000	.47900	-.20684	-.20342	-.20641	-.20641
2.001	160.600	-2.62600	3.02800	.04500	.00800	-.97800	.38300	-.20267	-.19925	-.20181	-.20267
2.001	162.530	-2.58900	2.54900	-.12300	.03100	-1.20500	.35100	-.20183	-.19712	-.19541	-.19498
2.001	163.930	-2.59000	2.10900	-.24200	.00300	-1.36000	-.00300	-.19756	-.19242	-.18815	-.18644
2.001	165.510	-2.52100	1.69900	-.31900	.05300	-1.26000	-.14600	-.18510	-.18168	-.17783	-.17484
2.001	167.270	-2.51300	1.28700	-.38400	.00000	-1.15700	-.52000	-.16845	-.16118	-.16246	-.16546
2.001	168.780	-2.48200	.95400	-.40300	.00200	-.96800	-.66500	-.15992	-.15522	-.15778	-.15992
2.001	170.430	-2.44200	.72100	-.25200	-.00200	-.90100	-.43300	-.14708	-.14280	-.14879	-.14954
2.001	171.990	-2.40500	.52900	-.11800	-.00100	-.72100	-.18100	-.12741	-.12784	-.13582	-.13382
2.001	173.540	-2.35200	.36500	-.05100	.00100	-.64300	-.09600	-.11121	-.11506	-.12190	-.11506
2.001	174.210	-2.33900	.31800	-.03700	.00100	-.54900	-.03200	-.10831	-.10574	-.11215	-.10745
2.001	175.110	-2.32400	.25400	-.02300	.00400	-.45800	-.07200	-.10308	-.09923	-.10436	-.10222
2.001	176.000	-2.29000	.20000	.01200	.00200	-.36800	-.01800	-.09960	-.09533	-.09746	-.09632
2.001	176.710	-2.25300	.16200	.00300	.00300	-.34100	-.01000	-.09628	-.09243	-.09243	-.09500
2.001	177.600	-2.22500	.13700	.01200	.00100	-.22600	-.02600	-.09197	-.08897	-.08855	-.09197
2.001	178.510	-2.19900	.09000	.01100	.00000	-.14400	-.00100	-.08902	-.08731	-.08688	-.09116
2.001	179.360	-2.18600	.07000	.01400	.00000	-.06500	.00500	-.08683	-.08512	-.08470	-.08983
2.001	180.190	-2.12000	.00800	.01500	.00100	.04200	-.02300	-.08554	-.08383	-.08426	-.08811
2.001	181.060	-2.12700	-.01500	.01600	.00400	.18800	-.09200	-.08481	-.08310	-.08395	-.08609
2.001	181.950	-2.20700	-.03800	.01400	.00200	.27500	-.02000	-.08508	-.08294	-.08508	-.08465
2.001	182.830	-2.22600	-.07800	.01800	.00400	.35000	-.04400	-.08603	-.08402	-.08774	-.08603
2.001	183.690	-2.25200	-.10900	.02700	.00500	.42600	.00800	-.08870	-.08614	-.09126	-.08785
2.001	184.660	-2.29000	-.16300	.03200	.00900	.52000	-.09400	-.09246	-.09032	-.09631	-.09203
2.001	185.580	-2.32500	-.20000	.02900	.01100	.61600	-.08300	-.09931	-.09760	-.10316	-.09888
2.001	187.070	-2.37300	-.32400	.04500	.01500	.74900	-.00600	-.10920	-.10835	-.11305	-.10963
	GRADIENT	.01136	-.23068	-.00211	.00012	-.01136	-.00172	.00320	.00379	.00383	.00419

LEWIS T-035 SA6F 142-IN SRB (NOSE MOUNTED MODEL) (RGE012) (08 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	45.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	ENGSTK =	.000

RUN NO. 17/ 1 RNVL = 2.35 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYMM	CPB1	CPB2	CPB3	CPB4
2.676	141.690	-2.46200	8.31600	.04000	-.00100	.83500	.05600	-.11338	-.13705	-.13858	-.15249
2.676	138.375	-2.38200	9.46200	.02700	-.00300	1.01200	.04200	-.10667	-.13600	-.13292	-.15092
2.676	139.725	-2.41900	9.02300	.02100	-.00100	1.04800	.05900	-.10874	-.13600	-.13498	-.15092
2.676	141.080	-2.44900	8.56500	.02000	-.00200	96400	.13000	-.11133	-.13705	-.13756	-.15145
2.676	141.590	-2 45800	8.10200	.03100	.00100	.93800	.09000	-.11341	-.13707	-.13913	-.14993
2 676	143.900	-2.49500	7.65200	.02500	-.00200	.79600	.17900	-.11443	-.13604	-.13912	-.14787
2 676	147.730	-2 58500	6.73600	01800	.00200	.66800	.09800	-.11647	-.13447	-.13909	-.14321
2 676	149.670	-2 62800	6 30800	00400	.00000	.66600	.02500	-.11540	-.13340	-.13854	-.14760
2 676	149.610	-2.84300	5.84200	.00500	00100	1.06900	.03100	-.11597	-.13345	-.13807	-.13961
2.676	151.100	-2.83800	5.41000	-.00200	.00000	1.00400	.10200	-.11706	-.13403	-.13865	-.13969
2.676	152.480	-2.81000	4.98400	.00100	-.00300	.92700	.08000	-.11606	-.13250	-.13713	-.13764
2 676	153.940	-2.79100	4.58800	00700	.00100	.93700	-.00100	-.11854	-.13304	-.13819	-.13767
2.676	155.400	-2.74700	4 16600	01800	-.00100	.76300	.12200	-.11911	-.13144	-.13658	-.13658
2 676	156.900	-2 70700	3 81100	03300	.00300	.77700	.08000	-.12179	-.13253	-.13664	-.13694
2 676	158.290	-2 62300	3.40000	03600	.00100	.42700	.13000	-.12643	-.13208	-.13517	-.13509
2 676	159.800	-2.56400	3.02600	.05400	.00200	.24200	.26400	-.12742	-.13102	-.13359	-.13359
2.676	161.240	-2.51400	2 66100	02100	.00100	.08200	.34400	-.12845	-.12949	-.13206	-.13257
2.676	162.770	-2 47900	2.29900	-.04900	.00800	-.05500	.13300	-.12844	-.12741	-.13049	-.13049
2.676	164 330	-2 44400	1.95400	- 13800	.00500	-.15100	.04000	-.12741	-.12587	-.12792	-.12844
2.676	165.850	-2 40900	1 60500	-.18300	.00300	-.24100	-.11200	- 12685	-.12479	-.12685	-.12736
2.676	167.420	-2 38000	1 25700	-.21000	-.00200	-.41600	-.20200	-.12332	-.12178	-.12332	-.12383
2.676	169 070	-2.40900	.92700	-.17500	-.00100	-.48100	-.23000	-.11857	-.11616	-.12073	-.12073
2.676	170.610	-2.37800	.63500	-.11700	-.00100	-.54200	-.15500	-.11096	-.11251	-.11610	-.11662
2.676	172 180	-2.33600	.47100	-.04900	-.00300	-.45700	.03800	-.09966	-.10479	-.10942	-.10993
2.676	173.790	-2.29100	.31900	-.02500	.00100	-.40300	-.06900	-.09051	-.09513	-.10181	-.10181
2.676	175.430	-2.23100	.21800	-.01900	.00200	-.27100	.02300	-.08178	-.08383	-.09051	-.08948
2.676	176.480	-2.19400	.16800	- 00200	-.00100	-.26100	.04100	-.07202	-.07356	-.07767	- 07921
2.676	177.290	-2.16100	.14300	.00000	.00100	-.20700	.04300	-.06689	-.06945	-.07099	-.07305
2.676	178.150	-2.09900	.11600	.01000	.00100	-.15700	.03100	-.06484	-.06740	-.06792	-.06997
2.676	179.010	-2.06000	.09200	.02000	.00100	-.06500	.12400	-.06648	-.06751	-.06853	
2.676	179 890	-2 08100	06600	.01000	.00100	.03300	-.01600	-.06636	-.06584	-.06687	-.06738
2.676	180.730	-2 08000	.02900	.00200	.00400	.13000	.02600	-.06590	-.06538	-.06641	-.06692
2.676	181.580	-2.08900	- 00700	.00400	.00300	.23900	.02800	-.06590	-.06477	-.06580	-.06631
2.676	182.450	-2.14000	-.01000	.01100	.00400	.25600	.00100	-.06789	-.06686	-.06840	-.06789
2.676	183.370	-2.18400	-.03500	.01100	.00200	.30800	.11500	-.07144	-.06900	-.07195	-.07095
	GRADIENT	.01139	-.21686	-.00120	.00006	-.02936	-.00225	.00114	.00178	.00177	.00202

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE013) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.
LREF =	3.0000 IN.	YMRP =	.0000 IN.
BREF =	3.0000 IN.	ZMRP =	.0000 IN.
SCALE =	.0211		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	ENGSTK =	.000

RUN NO. 3/ 0 RN/L = 2.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	-5.520	1.15400	-.57300	-.00600	.01000	-1.18500	-.04500	-.18432	-.18468	-.25633	-.26502
2.004	-4.350	1.14000	-.46600	.01600	.	-.87500	-.06100	-.18287	-.18178	-.25486	-.26138
2.004	-3.290	1.12300	-.36100	.02600	.00600	-.59600	-.08400	-.17494	-.17204	-.25163	-.25597
2.004	-2.320	1.11400	-.27900	.01500	.00400	-.37800	-.10300	-.17058	-.16697	-.23677	-.25124
2.004	-1.380	1.10800	-.21000	.01400	.00500	-.22100	-.03200	-.16844	-.16518	-.22522	-.25126
2.004	-.200	1.09900	-.11300	.01800	.00500	-.02500	-.04000	-.16483	-.16628	-.20823	-.25018
2.004	.890	1.10100	-.01700	.00300	.00500	.07700	-.02300	-.16520	-.16954	-.19413	-.24910
2.004	1.880	1.10700	.08200	.02100	.00300	.23800	-.04400	-.16738	-.17317	-.17931	-.24985
2.004	2.910	1.11500	.15600	.01400	.00300	.45400	-.09000	-.17241	-.17494	-.15541	-.25126
2.004	3.960	1.12700	.24000	.02400	.00100	.69000	-.14100	-.18331	-.18006	-.13666	-.25348
2.004	4.970	1.13800	.33300	.	-.00100	.94200	-.14200	-.18836	-.18511	-.13883	-.25635
2.004	6.330	1.15300	.48000	.00500	-.00300	1.28600	-.09200	-.19165	-.18912	-.15332	-.26037
2.004	8.050	1.16200	.71500	-.00900	-.00700	1.77500	-.08900	-.19166	-.19527	-.15695	-.26108
2.004	9.720	1.17300	.97500	-.02900	-.01300	2.31400	-.03400	-.19777	-.20211	-.14716	-.26358
2.004	11.370	1.18200	1.22700	-.03900	-.01900	2.88500	.02500	-.20860	-.20715	-.12618	-.26609
2.004	12.990	1.17700	1.73500	-.16000	-.	3.50700	.23900	-.21729	-.21186	-.16089	-.26971
2.004	14.560	1.16300	2.18400	-.23800	-.02900	4.15100	.37600	-.21874	-.21440	-.17825	-.27008
2.004	16.200	1.15300	2.67400	-.30100	-.03300	4.71200	.53200	-.22707	-.21768	-.19238	-.26792
2.004	17.770	1.15200	3.18900	-.35900	-.03900	5.15600	.67700	-.23105	-.22274	-.19600	-.26847
2.004	19.350	1.15200	3.69500	-.43400	-.04600	5.45300	.78200	-.23428	-.22705	-.19777	-.26500
2.004	20.880	1.15600	4.18300	-.47100	-.05200	5.71500	.89400	-.24042	-.23066	-.20536	-.26355
2.004	22.360	1.15900	4.71300	-.52200	-.05800	5.92700	.92900	-.24077	-.23390	-.20282	-.26138
2.004	23.810	1.17100	5.21800	-.54600	-.06200	6.11600	.97300	-.24216	-.23855	-.19915	-.25988
2.004	25.320	1.18100	5.75200	-.58800	-.07300	6.28300	.92200	-.24306	-.24289	-.19554	-.25916
2.004	26.730	1.22000	6.25900	-.61100	-.07900	6.32900	.93700	-.24691	-.24402	-.19198	-.26172
2.004	28.210	1.21100	6.80600	-.61400	-.08600	6.47800	.86600	-.24614	-.24795	-.18544	-.26349
2.004	29.600	1.23000	7.32800	-.67200	-.09200	6.54000	.91500	-.24508	-.24724	-.18368	-.26566
2.004	31.040	1.23800	7.88700	-.69500	-.10400	6.56300	.72000	-.24427	-.24427	-.18394	-.26885
2.004	32.470	1.26500	8.46700	-.73000	-.10800	6.56300	.69800	-.24970	-.25078	-.18394	-.27752
2.004	33.830	1.25200	9.02100	-.71500	-.11400	6.53200	.50900	-.25697	-.25806	-.18472	-.28588
2.004	35.260	1.25300	9.55300	-.72000	-.12600	6.60400	.26300	-.25169	-.26060	-.18042	-.29131
2.004	36.700	1.25400	10.08800	-.79000	-.13100	6.74400	.35100	-.26312	-.25384	-.17210	-.29419
2.004	38.150	1.25600	10.56100	-.83300	-.14000	7.05000	.45600	-.26088	-.26341	-.15867	-.29484
2.004	39.510	1.26700	11.07200	-.80600	-.14900	7.24500	.41800	-.25900	-.26161	-.14578	-.29484
	GRADIENT	.00009	.08474	.00016	-.00079	.18040	-.00600	-.00067	-.00090	.01403	.00039

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE013) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 90.000
ALPROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = 1.000 ENGSTK = .000

RUN NO. 4/ 0 RN/L = 2.39 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.679	-5.120	.83900	-.66000	.00100	.01900	-1.24400	.01600	-.11993	-.11737	-.14146	-.14402
2.679	-4.280	.83100	-.55600	-.02400	.02000	-1.02100	.03200	-.11838	-.11377	-.14093	-.14401
2.679	-3.060	.81900	-.45200	-.01500	.01700	-.74000	.02500	-.11477	-.11017	-.13935	-.14242
2.679	-2.280	.81500	-.39300	.00900	.01200	-.56000	-.06400	-.11275	-.10866	-.13785	-.14041
2.679	-.200	.80500	-.19000	.00500	.01000	-.13800	-.12000	-.11071	-.10764	-.12812	-.13938
2.679	.750	.80700	-.12700	.00300	.01100	-.04300	-.02500	-.10913	-.10708	-.10247	-.13729
2.679	1.890	.81200	-.01700	-.00700	.01400	.23400	-.02400	-.10910	-.10757	-.07274	-.13625
2.679	2.830	.81700	.03800	.01800	.01100	.41600	-.13700	-.11117	-.10912	-.05279	-.13677
2.679	3.960	.82100	.15400	-.01100	.01300	.73700	-.01400	-.11319	-.11114	-.03076	-.13777
2.679	6.380	.83900	.43200	-.01700	.00500	1.39500	-.04100	-.11989	-.11630	-.07483	-.13986
2.679	8.040	.85800	.68200	-.02400	.00700	1.85800	.10500	-.12395	-.12037	-.05841	-.14034
2.679	9.650	.87200	.99800	-.09100	-.00300	2.31400	.06500	-.12862	-.12452	-.03901	-.14194
2.679	11.250	.87000	1.38000	-.12400	-.00900	2.70700	.10700	-.13210	-.12698	-.04966	-.14285
2.679	12.820	.86800	1.78500	-.15800	-.01200	2.98800	.19100	-.13419	-.12804	-.06198	-.14341
2.679	14.410	.87500	2.21900	-.20000	-.01400	3.20800	.33900	-.13680	-.13014	-.07381	-.14448
2.679	15.970	.88300	2.65100	-.23400	-.02200	3.39800	.41200	-.13881	-.13113	-.07584	-.14393
2.679	17.530	.89300	3.08300	-.24600	-.02400	3.57900	.49500	-.14035	-.13319	-.07432	-.14496
2.679	19.020	.90900	3.49700	-.26800	-.03000	3.72900	.49600	-.14033	-.13265	-.07478	-.14392
2.679	20.480	.93200	3.92500	-.32600	-.03600	3.88400	.46900	-.14134	-.13417	-.08706	-.14544
2.679	21.980	.95600	4.34800	-.34900	-.04100	4.02600	.56000	-.14087	-.13472	-.09120	-.14599
2.679	23.420	.98300	4.77500	-.36900	-.04500	4.11700	.58800	-.14142	-.13579	-.09227	-.14757
2.679	24.880	1.00100	5.24300	-.39200	-.05200	4.21300	.55500	-.13875	-.13312	-.08500	-.14490
2.679	26.310	1.01200	5.74600	-.46400	-.05300	4.36200	.67900	-.13875	-.13311	-.07628	-.14694
2.679	27.750	1.02600	6.19200	-.45800	-.06400	4.40400	.60000	-.13826	-.13263	-.06556	-.14748
2.679	29.190	1.04200	6.71800	-.47000	-.06800	4.48300	.51900	-.13829	-.13471	-.05588	-.14750
2.679	30.580	1.06400	7.18900	-.46500	-.07800	4.45900	.42100	-.137 3	-.13568	-.04507	-.14746
2.679	31.960	1.07700	7.67000	-.48100	-.08100	4.65500	.44100	-.13828	-.13623	-.03540	-.14750
2.679	33.380	1.10300	8.10500	-.48800	-.09000	4.78400	.37400	-.13776	-.13674	-.02768	-.14698
2.679	34.780	1.12100	8.56800	-.49400	-.09600	4.96000	.39500	-.13727	-.13727	-.02307	-.14649
2.679	36.190	1.13100	9.06200	-.51600	-.10300	5.17400	.38700	-.13721	-.13721	-.01844	-.14694
2.679	37.570	1.14700	9.52600	-.53400	-.10700	5.23900	.47300	-.13624	-.13726	-.01336	-.14648
2.679	38.990	1.15800	10.01900	-.53500	-.11900	5.39300	.40100	-.13570	-.13673	-.01075	-.14646
	GRADIENT	-.00100	.08582	.00202	-.00073	.20403	-.00933	.00070	.00030	.01391	.00087

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE014) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	ENGSTK =	.000

RUN NO. 3/ 1 RN/L = 2.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	40.950	1.26800	11.59100	-.84200	-.15500	7.51000	.45300	-.25689	-.25797	-.13628	-.29518
2.004	42.310	1.27300	12.09500	-.84100	-.16600	7.63200	.40400	-.25361	-.25722	-.12651	-.29659
2.004	43.780	1.26500	12.61300	-.86000	-.17200	7.88300	.50200	-.24566	-.25902	-.11639	-.29731
2.004	29.860	1.21500	7.33100	-.66800	-.09200	6.50800	.86600	-.24610	-.24538	-.18727	-.26668
2.004	32.080	1.22100	8.22900	-.73900	-.10500	6.47400	.65300	-.24854	-.24890	-.18284	-.27562
2.004	34.150	1.23700	9.07700	-.72000	-.11800	6.51200	.30400	-.25828	-.25864	-.17922	-.28825
2.004	36.040	1.25000	9.80500	-.79600	-.12600	6.52000	.25500	-.26409	-.26517	-.16987	-.29622
2.004	36.790	1.24500	10.07300	-.81600	-.13100	6.64900	.26300	-.26227	-.26551	-.16735	-.29800
2.004	38.240	1.25000	10.52700	-.84000	-.13900	7.03800	.34000	-.26008	-.26369	-.16041	-.29729
2.004	39.620	1.25200	11.07900	-.81900	-.15000	7.24800	.29300	-.25612	-.26190	-.15177	-.29584
2.004	41.060	1.25600	11.58000	-.83900	-.16000	7.49200	.26300	-.25431	-.25792	-.14311	-.29657
2.004	42.470	1.25900	12.08400	-.86100	-.16500	7.64900	.32600	-.24995	-.25898	-.13191	-.29834
2.004	43.870	1.25700	12.58400	-.86500	-.17400	7.83700	.36600	-.24387	-.25975	-.12115	-.29838
2.004	45.320	1.25000	13.10000	-.88700	-.18300	8.09100	.35800	-.23547	-.25714	-.11058	-.29758
2.004	46.720	1.24200	13.59900	-.92300	-.19100	8.34[illegible]	.43900	-.22719	-.25715	-.10484	-.29722
2.004	48.130	1.23500	14.07600	-.94100	-.19800	8.56500	.48600	-.21752	-.25831	-.10241	-.29694
2.004	49.550	1.22400	14.55300	-.94300	-.20700	8.78900	.49500	-.20523	-.25540	-.10240	-.29727
2.004	50.960	1.21100	15.02800	-.96000	-.21400	9.07900	.51200	-.19072	-.25209	-.10339	-.29866
2.004	52.350	1.20100	15.46000	-1.03500	-.22000	9.37100	.56100	-.17742	-.24708	-.10633	-.29943
2.004	53.690	1.17200	15.89100	-1.06200	-.22800	9.63100	.59600	-.16327	-.23908	-.10372	-.29793
2.004	55.130	1.14700	16.31600	-1.11000	-.23400	9.93500	.66300	-.14492	-.23224	-.10164	-.29647
2.004	56.550	1.12200	16.72000	-1.12600	-.24100	10.22800	.66400	-.13270	-.22363	-.10167	-.29474
2.004	57.970	1.09900	17.10000	-1.18800	-.24500	10.45000	.76100	-.11359	-.21352	-.10494	-.29327
2.004	59.410	1.06600	17.51300	-1.19700	-.25400	10.71100	.70900	-.08936	-.20121	-.10884	-.29109
2.004	60.760	1.05200	17.89000	-1.23100	-.26000	10.84900	.8 200	-.07921	-.18711	-.10375	-.28674
2.004	62.160	.98900	18.26200	-1.22700	-.26500	11.03200	.73800	-.07059	-.17018	-.09584	-.27775
2.004	64.990	.93000	18.97500	-1.23500	-.27200	11.30800	.74700	-.05903	-.13339	-.07784	-.22865
2.004	66.380	.84300	19.31500	-1.22100	-.27300	11.40900	.68800	-.05433	-.11205	-.06263	-.20155
2.004	66.380	.84300	19.31500	-1.22500	-.27300	11.40900	.68800	-.05433	-.11205	-.06263	-.20155
2.004	69.440	.71600	19.98500	-1.27500	-.27600	11.54100	.70900	-.03413	-.05768	-.02187	-.16351
2.004	70.940	.64800	20.24200	-1.26700	-.27600	11.68200	.62400	-.01792	-.04172	-.01864	-.19109
2.004	72.360	.53100	20.48000	-1.28000	-.27600	11.74300	.58500	.00836	-.01725	.00367	-.17307
2.004	73.970	.38800	20.79100	-1.26400	-.27600	11.69700	.54700	.05742	.02713	.06246	-.13987
2.004	75.200	.30500	21.02200	-1.30800	-.27800	11.53300	.49800	.11293	.06787	.11221	-.11535
2.004	76.910	.17700	21.27100	-1.33400	-.28200	11.32700	.49200	.19769	.12199	.17859	-.09077
2.004	78.460	.04500	21.46000	-1.30500	-.28300	11.09600	.23000	.26616	.19588	.19804	-.08032
2.004	79.720	-.04800	21.60300	-1.30700	-.28500	10.85200	.18700	.33236	.24626	.21851	-.07132
2.004	81.370	-.24100	21.71000	-1.34500	-.28300	10.51000	.30400	.39155	.32958	.30364	-.06697
2.004	82.780	-.33000	21.82700	-1.29200	-.28500	10.31000	-.03900	.45039	.41222	.39890	.00616
2.004	84.120	-.45100	21.88200	-1.29000	-.28600	10.06400	-.05200	.51083	.48383	.43126	.19499
2.004	85.790	-.54900	21.87300	-1.28200	-.28300	9.68400	-.05400	.57394	.57034	.44325	.47277
	GRADIENT	-.02995	.26765	-.01243	-.00353	.09565	-.00261	.01301	.01201	.00904	.00696

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE014) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.
LREF =	3.0000 IN.	YMRP =	.0000 IN.
BREF =	3.0000 IN.	ZMRP =	.0000 IN.
SCALE =	.0211		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	ENGSTK =	.000

RUN NO. 4/ 1 RN/L = 2.39 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.679	40.370	1.17100	10.46900	-.55300	-.12300	5.57700	.45500	-.13407	-.13612	-.00915	-.14533
2.679	41.770	1.17700	10.94100	-.58600	-.12800	5.78500	.46100	-.12794	-.13715	-.00710	-.14586
2.679	43.170	1.18700	11.42200	-.58000	-.13500	6.00700	.43000	-.12287	-.13721	-.00718	-.14591
2.679	29.990	1.04900	8.97100	-.45500	-.07400	4.47900	.38300	-.13673	-.13724	-.06300	-.14850
2.679	32.040	1.07200	7.67000	-.51600	-.08100	4.67400	.37100	-.13879	-.13828	-.05228	-.14852
2.679	34.050	1.09900	8.29800	-.50300	-.09100	4.97400	.39900	-.13879	-.13931	-.03999	-.14903
2.679	35.890	1.12700	8.95300	-.49400	-.10300	5.14700	.34500	-.13770	-.13872	-.03122	- 14845
2.679	36.910	1.13800	9.30700	-.52900	-.10400	5.24400	.39900	-.13364	-.13774	-.02614	-.14747
2.679	38.360	1.14800	9.80200	-.53200	-.11200	5.42500	.39600	-.12389	-.13822	-.02457	-.14898
2.679	39.740	1.16300	10.26500	-.55700	-.12000	5.58400	.46300	-.12189	-.13674	-.02205	-.14903
2.679	41.160	1.17200	10.75300	-.59800	-.12600	5.82500	.47600	-.11935	-.13676	-.01747	-.14803
2.679	42.510	1.18600	11.24800	-.61100	-.13200	5.96700	.51000	-.11370	-.13725	-.01490	-.14749
2.679	43.920	1.19800	11.72400	-.61300	-.13900	6.19200	.43300	-.10752	-.13670	-.01540	-.14694
2.679	45.330	1.20400	12.19900	-.65200	-.14400	6.42400	.52100	-.10081	-.13511	-.01737	-.14484
2.679	46.720	1.21400	12.64500	-.66100	-.15000	6.60100	.51700	-.09311	-.13458	-.01836	-.14380
2.679	48.120	1.22600	13.10900	-.68100	-.15400	6.84800	.52700	-.08546	-.13613	-.02302	-.14381
2.679	49.550	1.23600	13.55600	-.69800	-.16100	7.07200	.53000	-.06702	-.13817	-.03068	-.14687
2.679	50.980	1.23700	13.95800	-.72100	-.16400	7.37500	.57600	-.06195	-.13515	-.03432	-.14693
2.679	52.400	1.23300	14.38500	-.73900	-.17500	7.73600	.49200	-.05372	-.13205	-.03529	-.14690
2.679	53.820	1.23000	14.78000	-.75900	-.17800	8.06100	.51300	-.04202	-.12698	-.03229	-.14592
2.679	55.190	1.22700	15.19200	-.78000	-.18400	8.34400	.50300	-.03319	-.12228	-.02960	-.14583
2.679	56.700	1.19900	15.59400	-.79100	-.19000	8.73300	.46100	.00105	-.11463	-.02710	-.14586
2.679	58.160	1.16900	15.95800	-.79900	-.18900	8.97600	.51100	.01434	-.10797	-.02455	-.14534
2.679	59.590	1.13000	16.33200	-.81200	-.19200	9.20600	.49600	.01391	-.10234	-.01988	-.14434
2.679	61.100	1.07700	16.67400	-.83000	-.19400	9.44800	.53000	.02561	-.09415	-.00816	-.14074
2.679	62.570	1.02500	16.98700	-.81700	-.19700	9.66300	.44700	.02972	-.08697	-.00252	-.13816
2.679	64.060	.96600	17.30700	-.83100	-.19800	9.83700	.42900	.03126	-.07366	.00004	-.13354
2.679	65.590	.90200	17.60400	-.83200	-.20100	9.95900	.41600	.03482	-.06088	.00616	-.12742
2.679	67.140	.83500	17.88700	-.84000	-.20100	10.04900	.43500	.04213	-.04697	.02472	-.11919
2.679	68.690	.77200	18.13700	-.83000	-.20100	10.12800	.37200	.04967	-.03221	.04557	-.10797
2.679	70.290	.70400	18.42000	-.84600	-.20200	10.20600	.39800	.05845	-.01423	.06409	-.07925
2.679	71.860	.64200	18.66200	-.82600	-.20500	10.23400	.31100	.07174	.00624	.08914	-.03215
2.679	73.500	.57000	18.91000	-.87500	-.20400	10.23100	.41700	.08505	.02264	.12393	.00626
2.679	74.880	.50400	19.09300	-.85500	-.20800	10.21900	.29900	.09568	.03634	.17139	.03371
2.679	76.460	.42300	19.30400	-.85000	-.21000	10.10300	.30100	.10698	.06093	.21747	.05888
2.679	78.310	.43100	19.28700	-.86400	-.21000	10.12300	.29200	.10641	.05884	.21330	.05167
2.679	78.280	.34200	19.53800	-.84900	-.21300	10.03300	.25000	.13104	.09881	.24203	-.01426
2.679	80.040	.24900	19.76100	-.86400	-.21600	10.03900	.25100	.16736	.13514	.27067	-.05211
2.679	81.660	.15200	19.98700	-.85700	-.21800	10.04400	.18200	.21101	.17264	.29930	-.05438
2.679	83.360	.05300	20.18000	-.86100	-.21800	10.06300	.13700	.25233	.21755	.29069	-.04290
2.679	85.090	-.05400	20.32000	-.85200	-.22000	9.98100	.07300	.29527	.25692	.29630	-.02243
2.679	86.610	-.15600	20.39200	-.87800	-.22000	9.69600	.14700	.34179	.31009	.26407	.00575
2.679	88.700	-.28700	20.40100	-.85700	-.22100	9.38200	.02300	.39388	.35195	.34479	.06603
	GRADIENT	-.32230	.23687	-.00739	-.00243	.11078	-.00522	.00780	.00696	.00621	.00329

LEWIS T-035 SA6F 142-IN SRB, (NOSE MOUNTED MODEL) (RGE019) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	ENGSTK =	.000

RUN NO. 12/ 0 RN/L = 2.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.001	90.730	.53400	20.97000	-.85400	-.27100	6.11000	.05000	.74434	-.08325	.69408	-.22283
2.001	92.680	.43500	20.89700	-.87600	-.26900	5.78700	-.08200	.69723	-.13524	.54553	-.23345
2.001	94.390	.33400	20.79500	-.86100	-.26800	5.59100	-.12900	.63997	-.17891	.43892	-.24378
2.001	95.910	.24000	20.66800	-.85700	-.26700	5.31400	-.12800	.59324	-.20532	.39428	-.24971
2.001	97.720	.12000	20.47900	-.84700	-.26400	4.95700	-.22700	.53253	-.23135	.35182	-.25611
2.001	99.470	.00500	20.31600	-.84700	-.26400	4.63700	-.24400	.46697	-.24844	.30029	-.25613
2.001	101.050	-.13000	20.14600	-.84900	-.26100	4.32300	-.27400	.39984	-.25906	.23660	-.26205
2.001	102.[illegible]0	-.25200	19.88200	-.83500	-.25700	4.10700	-.31300	.30152	-.26759	.14418	-.26802
2.001	104.570	-.37300	19.60400	-.81100	-.25200	3.90400	-.36200	.21994	-.27615	.08010	-.27572
2.001	106.330	-.50300	19.31700	-.80200	-.25000	3.71000	-.39100	.14965	-.27793	.02766	-.28006
2.001	108.710	-.63600	19.	-.79800	-.25100	3.56300	-.40800	.09167	-.27952	-.01239	-.28422
2.001	111.010	-.76400	18.72200	-.83300	-.25100	3.41500	-.47500	.04783	-.28386	-.04264	-.28941
2.001	113.450	-.89400	18.42900	-.89700	-.25900	3.32800	-.66900	.01143	-.28730	-.06920	-.29242
2.001	114.480	-1.01100	18.11500	-.92200	-.26500	3.24600	-.78100	-.01628	-.28982	-.09179	-.29452
2.001	114.850	-1.12000	17.76900	-.96700	-.26900	3.15000	-.95200	-.04313	-.29331	-.11355	-.29673
2.001	115.920	-1.22600	17.39100	-.98800	-.26800	3.00400	-.97600	-.06582	-.29965	-.13536	-.30050
2.001	117.310	-1.35100	16.99300	-.98600	-.26300	2.96900	-1.08200	-.08542	-.29793	-.15112	-.30049
2.001	118.760	-1.46400	16.61400	-.98900	-.25600	2.85100	-1.10300	-.10418	-.29926	-.16863	-.30267
2.001	120.130	-1.57500	16.21200	-.95100	-.24900	2.71900	-1.09100	-.12006	-.29882	-.18302	-.30351
2.001	121.640	-1.69900	15.82800	-.92600	-.24200	2.61600	-1.13100	-.13490	-.29837	-.19635	-.30392
2.001	123.020	-1.81600	15.45000	-.92100	-.23900	2.55300	-1.03300	-.14859	-.29837	-.20790	-.30435
2.001	124.450	-1.94200	15.04000	-.89100	-.23100	2.47000	-1.06600	-.16138	-.29837	-.21728	-.30520
2.001	125.960	-2.06200	14.61900	-.86100	-.22100	2.29500	-1.02900	-.17337	-.30012	-.22757	-.30652
2.001	127.930	-2.09100	14.28000	-.85200	-.21400	1.76400	-1.05600	-.18142	-.29922	-.23348	-.30690
2.001	129.050	-2.15300	13.86300	-.84500	-.21100	1.57800	-1.00900	-.18912	-.29706	-.23818	-.30559
2.001	130.320	-2.20100	13.46300	-.81300	-.20300	1.42100	-1.02100	-.19250	-.26335	-.23774	-.30092
2.001	131.630	-2.23900	13.04400	-.79700	-.19900	1.28100	-.97800	-.19720	-.24031	-.23860	-.29367
2.001	133.120	-2.29000	12.53600	-.80600	-.19000	1.14100	-.93800	-.19974	-.23772	-.23772	-.27570
2.001	134.480	-2.33400	12.07700	-.80700	-.18300	1.02300	-.95100	-.20019	-.24581	-.23302	-.24326
2.001	135.890	-2.39100	11.60900	-.77300	-.17500	1.04400	-.80900	-.20619	-.24800	-.23435	-.23392
	GRADIENT	-.07020	-.21357	.00020	.00178	-.10567	-.02579	-.02176	-.00213	-.01849	-.00103

LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL) (RGE015) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	ENGSTK =	.000

RUN NO. 13/ 0 RN/L = 2.35 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.675	91.250	.38900	19.33400	-.49900	-.20900	5.24500	-.02700	.65811	-.04176	.42528	-.11418
2.675	93.160	.29100	19.26600	-.48800	-.20600	4.97300	-.05700	.60029	-.06903	.39457	-.11218
2.675	94.840	.20000	19.13600	-.49900	-.20700	4.84900	-.03600	.53561	-.08958	.36235	-.11524
2.675	97.690	.09100	18.91800	-.49900	-.20600	4.74100	-.05400	.45578	-.10345	.29732	-.11833
2.675	98.270	-.00600	18.70400	-.51600	-.20600	4.65300	-.07400	.38573	-.11117	.23298	-.12194
2.675	100.090	-.11600	18.42600	-.49600	-.20100	4.49200	-.08700	.31202	-.12098	.17047	-.12816
2.675	101.630	-.21100	18.22600	-.49900	-.20100	4.36100	-.03900	.25549	-.12865	.13090	-.13429
2.675	103.490	-.32700	17.96700	-.46800	-.19800	4.09900	-.07500	.20007	-.13279	.09342	-.13843
2.675	105.060	-.43400	17.73800	-.46700	-.19700	3.86600	-.08200	.16057	-.13540	.06724	-.14204
2.675	106.830	-.55700	17.47900	-.47100	-.19700	3.72000	-.09900	.12721	-.13842	.04569	-.14406
2.675	108.460	-.67400	17.20200	-.47400	-.19600	3.55400	-.14300	.09888	-.13951	.02405	-.14617
2.675	110.080	-.79400	16.93900	-.47900	-.20100	3.41600	-.09200	.07395	-.14152	.00419	-.14819
2.675	111.730	-.91500	16.64700	-.50200	-.20800	3.28400	-.15100	.05233	-.14360	-.01434	-.15027
2.675	113.570	-1.03800	16.33100	-.49600	-.20600	3.12400	-.20800	.03383	-.14463	-.03129	-.15130
2.675	116.150	-1.16400	16.03300	-.49300	-.20400	3.01500	-.18300	.01590	-.14664	-.04716	-.15382
2.675	120.030	-1.52700	14.97000	-.48600	-.19700	2.67400	-.12800	-.02831	-.14984	-.08523	-.15804
2.675	120.870	-1.63900	14.57100	-.48.00	-.19100	2.50300	-.12500	-.04056	-.14928	-.09288	-.15749
2.675	122.220	-1.75800	14.18200	-.47000	-.18800	2.43400	-.09700	-.05234	-.15082	-.10158	-.16006
2.675	123.800	-1.87600	13.78100	-.45000	-.18400	2.41200	-.10200	-.06148	-.15072	-.10661	-.15944
2.675	125.140	-1.98100	13.35000	-.45200	-.17600	2.28200	-.14100	-.07019	-.15070	-.11275	-.16096
2.675	126.600	-2.09400	12.93900	-.44300	-.17100	2.24300	-.18800	-.07733	-.15119	-.11734	-.16043
2.675	127.900	-2.19400	12.52700	-.42500	-.16800	2.17100	-.14100	-.08448	-.15065	-.12141	-.16091
2.675	129.320	-2.27900	12.11500	-.43100	-.16600	2.12000	-.13600	-.09116	-.15119	-.12553	-.16196
2.675	130.700	-2.36500	11.68200	-.42200	-.16100	1.89200	-.13900	-.10135	-.15418	-.13315	-.16392
2.675	132.220	-2.33000	11.31100	-.41200	-.15800	1.48300	-.15600	-.10332	-.15309	-.13359	-.16438
2.675	133.590	-2.31800	10.91500	-.39500	-.15400	1.23000	-.14500	-.10540	-.15103	-.13411	-.16282
2.675	134.960	-2.34400	10.47100	-.40700	.15000	1.06700	-.15500	-.10800	-.14801	-.13467	-.16237
2.675	136.330	-2.38600	10.02900	-.41100	-.14400	1.01400	-.19400	-.10899	-.14027	-.13412	-.15771
2.675	137.870	-2.42700	9.59800	-.38600	-.14000	.91900	-.18900	-.10994	-.13609	-.13455	-.15404
2.675	139.320	-2.46600	9.14100	-.38800	-.13500	.88200	-.24200	-.11213	-.13367	-.13572	-.15111
2.675	140.630	-2.49800	8.67400	-.40200	-.12800	.78800	-.27100	-.11421	-.13266	-.13625	-.14855
	GRADIENT	-.06494	-.22193	.00231	.00149	-.08939	-.00322	-.01392	-.00118	-.01045	-.00092

LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL) (RGE016) (02 MAY 74)

REFERENCE DATA

AREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 90.000
ALPROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = 1.000 ENGSTK = .000

RUN NO. 12/ 1 RN/L = 2.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CN4	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.001	137.390	-2.44100	11.13300	-.76100	-.1	.92500	-.87500	-.21297	-.24966	-.23814	-.23601
2.001	140.730	-2.59400	9.63100	-.71000	-.14900	.85800	-.78200	-.22453	-.23904	-.23946	-.24038
2.001	144.120	-2.81300	8.25400	-.70800	-.14000	.89500	-.69400	-.23223	-.24247	-.24161	-.24801
2.001	145.520	-2.91700	8.37500	-.67000	-.13300	.79800	-.70300	-.23823	-.24122	-.24377	-.24804
2.001	146.940	-2.89200	7.87800	-.64800	-.12500	.63000	-.69000	-.24032	-.24202	-.24501	-.24800
2.001	148.400	-2.87500	7.40100	-.62800	-.12100	.52100	-.54900	-.23991	-.24119	-.24503	-.24674
2.001	149.790	-2.86000	6.91500	-.58900	-.11100	.26400	-.57900	-.23904	-.23861	-.24245	-.24415
2.001	151.220	-2.84300	6.41600	-.57600	-.10100	.05200	-.56700	-.23612	-.23441	-.23740	-.23868
2.001	152.600	-2.80700	5.92000	-.54500	-.09300	-.19900	-.64200	-.23315	-.22929	-.22929	-.23185
2.001	154.050	-2.79600	5.47100	-.54500	-.08900	-.28000	-.60800	-.23095	-.22456	-.22370	-.22797
2.001	155.500	-2.78100	4.93500	-.50000	-.07500	-.53800	-.80500	-.22582	-.21686	-.21942	-.22203
2.001	156.960	-2.77200	4.45900	-.47100	-.07700	-.73500	-.68600	-.21860	-.20921	-.21390	-.21732
2.001	158.540	-2.73300	3.94100	-.43200	-.06400	-.98100	-.69800	-.20919	-.20152	-.20834	-.20962
2.001	159.960	-2.69000	3.51700	-.40400	-.05900	-1.15700	-.70700	-.20192	-.19638	-.20149	-.20149
2.001	161.470	-2.65600	3.04000	-.35500	-.05400	-1.27200	-.59000	-.19732	-.19050	-.19434	-.19690
2.001	163.150	-2.61200	2.59100	-.24300	-.04600	-1.34100	-.48100	-.19261	-.18238	-.18579	-.19133
2.001	164.650	-2.59200	2.12900	-.18200	-.04100	-1.34000	-.28900	-.18491	-.17297	-.17636	-.18406
2.001	166.500	-2.61800	1.70500	-.10800	-.03300	-1.18000	-.18500	-.17590	-.16438	-.16907	-.17974
2.001	167.900	-2.56100	1.31600	-.07600	-.02800	-1.02400	-.04900	-.16443	-.15463	-.15974	-.16955
2.001	169.550	-2.52500	.95800	-.03200	-.01900	-.93500	.04500	-.15463	-.14611	-.14866	-.15335
2.001	171.170	-2.53500	.69900	.03600	-.01600	-.75400	.18300	-.14016	-.13377	-.13632	-.13632
2.001	172.840	-2.48100	.45900	.02600	-.01200	-.73000	.15700	-.1 443	-.12230	-.12400	-.12187
2.001	174.440	-2.41400	.29400	.01200	-.00700	-.51800	.03300	- 10899	-.10899	-.11155	-.10857
2.001	175.960	-2.35200	.16100	.00600	-.00400	-.41300	.03100	.09786	-.09914	-.10085	-.09659
2.001	177.660	-2.29300	.08000	-.00200	-.00400	-.28300	.03700	-.09062	-.09062	-.09275	-.09109
2.001	161.600	-2.67200	3.01300	-.34400	-.05500	-1.23700	-.64400	-.18402	-.18488	-.18189	-.18658
2.001	162.320	-2.63900	2.78100	-.28200	-.05000	-1.30600	-.53900	-.19121	-.18481	-.18737	-.19206
2.001	177.030	-2.34000	.11200	.00900	-.00600	-.33600	.06800	-.09562	-.09263	-.09434	-.09221
2.001	177.930	-2.32400	.06100	.01300	-.00200	-.21400	-.02800	-.09184	-.08928	-.09099	-.09056
2.001	178.730	-2.25100	.04900	.00400	-.00600	-.17800	.05100	-.08792	-.08707	-.08878	-.08878
2.001	179.650	-2.24100	.00900	.01300	-.00200	-.03700	.00100	-.08950	-.08790	-.08790	-.08918
2.001	180.480	-2.18200	-.02900	.00600	-.00100	.05900	-.03400	-.09003	-.08790	-.08705	-.08790
2.001	181.370	-2.19700	-.06200	.01400	-.00200	.23200	-.01800	-.09088	-.08918	-.08790	-.08832
2.001	182.220	-2.27500	-.09800	.00170	00000	.26200	-.02300	-.09170	-.09085	-.08915	-.08557
2.001	183.110	-2.30600	-.14200	.01100	-.00200	.37400	.05300	-.09334	-.09377	-.09249	-.09121
2.001	183.950	-2.33900	-.19200	.01500	-.00100	.45300	.05700	-.09506	-.09634	-.09634	-.09378
2.001	184.930	-2.38200	-.25000	.00800	.00100	.54000	.09000	-.10064	-.10277	-.10106	-.09936
2.001	185.840	-2.41900	-.34300	.01200	.00400	.58400	.04100	-.10784	-.10912	-.10656	-.10571
	GRADIENT	.01355	-.23215	.01942	.00357	-.00650	.02276	.00400	.00420	.00421	.00431

LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL) (RGE016) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 90.000
ALPROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = 1.000 ENGSTK = .000

RUN NO. 13/ 1 RN/L = 2.35 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.675	142.030	-2.52500	8.26500	-.39400	-.12100	.73500	-.33800	-.11511	-.13204	-.13666	-.14590
2.675	135.390	-2.34900	10.61800	-.40600	-.14700	1.17400	-.23100	-.10537	-.14127	-.12383	-.15203
2.675	136.720	-2.39200	10.19300	-.41800	-.14500	1.19700	-.20100	-.10784	-.13862	-.12887	-.15145
2.675	138.290	-2.43500	9.74900	-.39900	-.14100	1.11100	-.20700	-.10880	-.13393	-.13085	-.14932
2.675	139.540	-2.46700	9.29500	-.41300	-.13400	.99100	-.22300	-.11142	-.13246	-.13348	-.14754
2.675	140.800	-2.50100	8.84000	-.41000	-.12700	.91200	-.30300	-.11340	-.13135	-.13443	-.14571
2.675	142.210	-2.52500	8.36900	-.41800	-.11900	.84700	-.40100	-.11446	-.13087	-.13548	-.14369
2.675	143.770	-2.54400	7.91100	-.41100	-.11600	.81800	-.35800	-.11652	-.13089	-.13551	-.14166
2.675	145.240	-2.55700	7.45300	-.40700	-.11400	.77000	-.36300	-.11701	-.12983	-.13496	-.13957
2.675	146.640	-2.56200	6.99300	-.41100	-.10700	.69100	-.45300	-.11798	-.12977	-.13439	-.13798
2.675	147.240	-2.54800	6.55900	-.39500	-.10400	.78200	-.34100	-.11853	-.13032	-.13443	-.13699
2.675	149.260	-2.90100	6.09600	-.38800	-.10100	1.07700	-.39200	-.11793	-.13075	-.13486	-.13640
2.675	150.760	-2.89700	5.65100	-.38300	-.09400	1.00000	-.48500	-.11842	-.13227	-.13586	-.13740
2.675	152.170	-2.89400	5.23700	-.36600	-.08600	.99100	-.59200	-.11740	-.13330	-.13638	-.13792
2.675	153.660	-2.86400	4.78200	-.36400	-.07900	.89500	-.49800	-.11848	-.13439	-.13849	-.13849
2.675	155.070	-2.83900	4.37000	-.33000	-.07200	.79300	-.47100	-.11998	-.13383	-.13742	-.13793
2.675	156.620	-2.78500	3.96200	-.34400	-.06800	.60900	-.42000	-.12251	-.13226	-.13585	-.13688
2.675	157.930	-2.69300	3.55000	-.31800	-.06200	.28600	-.41900	-.12506	-.13173	-.13532	-.13634
2.675	159.500	-2.63900	3.21900	-.29800	-.05800	.26400	-.41000	-.12651	-.13071	-.13431	-.13533
2.675	160.970	-2.57500	2.80700	-.27600	-.05200	.06600	-.38200	-.12603	-.12706	-.13116	-.13270
2.675	162.500	-2.56200	2.41300	-.24300	-.04400	-.08300	-.40200	-.12657	-.12503	-.12862	-.13016
2.675	164.010	-2.57200	2.05200	-.18500	-.04300	-.21300	-.23900	-.12503	-.12247	-.12708	-.12708
2.675	165.550	-2.53400	1.68100	-.14400	-.03200	-.38400	-.39900	-.12297	-.11989	-.12451	-.12399
2.675	167.170	-2.46400	1.32100	-.11200	-.02900	-.39600	-.24000	-.11932	-.11727	-.12086	-.12086
2.675	168.700	-2.47830	.99400	-.11300	-.02600	-.41900	-.13300	-.11725	-.11417	-.11725	-.11776
2.675	170.350	-2.44000	.68000	-.09700	-.02000	-.39500	-.03500	-.11466	-.10953	-.11363	-.11466
2.675	171.950	-2.39500	.44900	-.08500	-.01600	-.36500	.02000	-.10896	-.10382	-.10844	-.10947
2.675	169.930	-2.43800	.78000	-.08500	-.01900	.37200	-.04900	-.11220	-.10759	-.10861	-.11169
2.675	170.760	-2.42000	.60100	.00500	-.01700	-.45500	.07700	-.10959	-.10497	-.10702	-.10959
2.675	172.360	-2.38600	.40000	01400	-.01500	-.40100	.10500	-.10089	-.09782	-.10089	-.10141
2.675	173.590	-2.33500	.24200	.01900	-.01700	-.32500	.02900	-.08853	-.09037	-.09212	-.09212
2.675	175.670	-2.25800	.13700	.00900	-.00400	-.25000	-.12200	-.07572	-.07983	-.08290	-.08136
2.675	177.270	-2.20900	.06700	.03300	-.00600	-.22600	.07100	-.06389	-.07004	-.07158	-.07107
2.675	178.090	-2.14300	.02600	.03600	-.00500	-.20700	.01800	-.06336	-.06695	-.06798	-.06798
2.675	178.940	-2.12700	-.01600	.01100	-.00600	-.13100	.07700	-.06334	-.06488	-.06590	-.06590
2.675	179.810	-2.12100	-.05520	.03900	-.00300	-.02300	.10800	-.06439	-.06490	-.06593	-.06644
2.675	180.690	-2.12100	-.07700	.03300	-.00300	.04500	.10200	-.06451	-.06451	-.06503	-.06554
2.675	181.560	-2.13100	-.10500	.01900	-.00100	.20800	-.02100	-.06600	-.06600	-.06651	-.06703
2.675	182.380	-2.16100	-.12120	.02300	-.00100	.27900	.12100	-.06864	-.06864	-.06864	-.06967
2.675	183.330	-2.23200	-.18420	.02000	.00100	.29700	.00400	-.07332	-.07229	-.07229	-.07229
2.675	184.150	-2.25900	-.21900	.02100	.00300	.29500	.02300	-.07800	-.07749	-.07698	-.07646
2.675	185.110	-2.28600	-.29200	.00500	.00500	.34600	-.01200	-.08416	-.08365	-.08262	-.08262
	GRADIENT	.00878	-.22639	.01168	.00023	-.02784	.01010	.00097	.00152	.00149	.00178

LEWIS T-035 SA6F 142-IN SRB, (TAIL MOUNTED MODEL) (RGE017) (02 MAY 74)

REFERENCE DATA

SREF = 7. SQ.IN. XMRP = 20.8340 IN.
LREF = 3. IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = . IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 135.000
ALPROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = 1.000 ENGSTK = .000

RUN NO. 27/ 0 RN/L = 2.82 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNN	CYN	CBL	CLNN	CYNN	CPB1	CPB2	CPB3	CPB4
2.004	-5.870	1.15300	-.55300	-.03300	-.	-1.	-.04700	.	.	.	.
2.004	-5.780	1.15300	-.56800	-.03400	-.00300	-1.23700	-.07800	.	.	.00000	.
2.004	-4.790	1.12500	-.46500	-.02500	-.	-.94000	-.06300	.	.	.	.
2.004	-3.820	1.11300	-.38900	.01000	-.00400	-.70800	-.12300	.	.	.00000	.
2.004	-2.910	1.10400	-.32500	.01000	-.00300	-.49300	-.09200	.	.	.00000	.
2.004	-1.990	1.09300	-.23700	.	-.00100	-.28300	-.04300	.	.	.	.
2.004	-1.120	1.08200	-.17500	-.01100	-.00100	-.12900	-.06200	.	.00000	.	.
2.004	-.240	1.07700	-.10700	.00500	-.00300	-.03800	-.08300	.	.	.	.
2.004	.960	1.	-.02900	.	-.	.03700	-.08400	.	.	.	.00000
2.004	1.480	1.	.05100	.01400	-.00500	.19900	-.12400	.	.	.	.
2.004	2.340	1.	.1	-.	-.00400	.34900	-.12100	.	.	.	.
2.004	3.160	1.	.18900	.00800	-.00500	.52400	-.12900	.	.	.	.
2.004	4.010	1.10400	.25500	.00500	-.00700	.71200	-.09500	.00000	.00000	.00000	.00000
2.004	4.810	1.11400	.31300	.00400	-.00700	.86500	-.10600	.00000	.	.	.
2.004	5.690	1.12400	.40200	-.02000	-.	1.08700	.01500	.	.00000	.00000	.
2.004	6.530	1.12900	.49200	-.	-.01000	1.34100	-.00900	.	.00000	.	.00000
2.004	7.370	1.13400	.57900	.00100	-.01200	1.60000	-.04700	.00000	.00000	.00000	.
2.004	8.210	1.13600	.66700	-.00700	-.01500	1.85800	-.05000	.00000	.	.	.
2.004	9.040	1.14300	.87600	-.01200	-.01900	2.41100	.01700	.	.00000	.00000	.
2.004	11.520	1.13400	1.17800	.01700	-.	3.12000	.01300	.00000	.00000	.00000	.00000
2.004	13.080	1.13300	1.49000	.07600	-.03500	3.71500	-.	.	.00000	.	.00000
2.004	14.690	1.12700	1.87100	.09800	-.04100	4.39500	.02400	.00000	.00000	.00000	.
2.004	15.450	1.12200	2.07400	.10800	-.04700	4.68000	-.03700	.00000	.00000	.00000	.00000
2.004	17.050	1.12000	2.51000	.13100	-.05200	5.17200	-.05600	.00000	.00000	.00000	.00000
2.004	18.600	1.11700	3.00600	.16100	-.05900	5.55900	-.01100	.00000	.00000	.00000	.00000
2.004	20.110	1.11700	3.46300	.16000	-.06500	5.78500	.05900	.00000	.00000	.00000	.00000
2.004	21.590	1.11900	3.93800	.15200	-.07200	5.99400	-.02300	.00000	.00000	.00000	.00000
2.004	23.070	1.11600	4.45600	.20000	-.08100	6.21500	-.00700	.00000	.00000	.00000	.00000
2.004	24.550	1.12600	4.98500	.25300	-.09200	6.37000	-.09600	.00000	.00000	.00000	.00000
2.004	26.010	1.13300	5.44700	.29400	-.09900	6.46500	-.07900	.00000	.00000	.00000	.00000
2.004	27.470	1.14300	5.94900	.33200	-.10800	6.62600	-.01000	.00000	.00000	.00000	.00000
2.004	28.880	1.15300	6.45100	.34100	-.11500	6.79900	.04400	.00000	.00000	.00000	.00000
2.004	30.290	1.15700	6.95700	.39500	-.12500	6.97500	-.06300	.00000	.00000	.00000	.00000
2.004	31.650	1.17000	7.46100	.41400	-.13700	6.95400	-.24000	.00000	.00000	.00000	.00000
2.004	33.050	1.17400	7.98000	.44800	-.14500	7.10100	-.41200	.00000	.00000	.00000	.00000
2.004	34.530	1.18200	8.46900	.46400	-.15100	7.19700	-.35500	.00000	.00000	.00000	.00000
2.004	35.920	1.18800	8.98000	.47200	-.16100	7.34400	-.44700	.00000	.00000	.00000	.00000
2.004	37.340	1.19300	9.48300	.52600	-.16600	7.53200	-.43700	.00000	.00000	.00000	.00000
2.004	38.700	1.19000	10.04600	.57500	-.17700	7.60600	-.45500	.00000	.00000	.00000	.00000
	GRADIENT	-.00122	.08209	.00127	-.00044	.17677	-.00333	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE017) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 135.000
ALPROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = 1.000 ENGSTK = .000

RUN NO. 25/ 0 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNN	CYN	CBL	CLNN	CYNN	CPB1	CPB2	CPB3	CPB4
2.675	-5.840	.84500	-.62600	-.	-.	-1.36100	-.01400	.	.00000	.	.00000
2.675	-5.300	.84000	-.56100	-.03300	-.00300	-1.22400	.06200	.	.00000	.	.
2.675	-4.410	.83500	-.49400	-.01100	-.	-.99600	-.05900	.	.00000	.00000	.
2.675	-3.470	.82800	-.40900	-.01700	-.	-.75900	-.00300	.00000	.00000	.00000	.00000
2.675	-2.550	.81900	-.31600	-.01300	.00100	-.52700	.01400	.00000	.00000	.00000	.00000
2.675	-1.680	.81300	-.25700	.01700	-.00400	-.33800	-.12500	.00000	.00000	.00000	.00000
2.675	-.810	.80800	-.18500	-.01900	.00200	-.20700	.05300	.00000	.00000	.00000	.00000
2.675	.060	.80400	-.09400	-.01900	.00100	-.09300	.04100	.00000	.00000	.00000	.00000
2.675	.910	.80700	-.04100	.02900	-.00300	.08300	-.06300	.00000	.00000	.00000	.00000
2.675	1.780	.81000	.03200	-.00500	-.00100	.24600	-.06500	. 0000	.00000	.00000	.00000
2.675	2.600	.81400	.11800	-.00600	-.00300	.47200	-.05600	.00000	.00000	.00000	.00000
2.675	3.460	.81900	.16300	-.00500	-.00200	.63100	-.02100	.00000	.00000	.00000	.00000
2.675	4.310	.82300	.25300	.00400	-.00600	.89300	-.05700	.00000	.00000	.00000	.00000
2.675	5.120	.82900	.32000	.00000	-.00300	1.10300	-.01600	.00000	.00000	.00000	.00000
2.675	5.970	.83500	.39000	.00200	-.00400	1 31900	.01600	.00000	.00000	.00000	.00000
2.675	6.800	.84000	.53400	.01600	-.00900	1.57800	-.05600	.00000	.00000	.00000	.00000
2.675	7.620	.85000	.60100	-.02300	-.00700	1.80900	.06400	.00000	.00000	.00000	.00000
2.675	8.460	.85600	.74400	.01800	-.01400	2.10400	-.03300	.00000	.00000	.00000	.00000
2.675	9.210	.86100	.86700	-.01300	-.01100	2.34700	.04300	.00000	.00000	.00000	.00000
2.675	10.060	.85900	1.01300	.02400	-.01900	2.65000	-.06200	.00000	.00000	.00000	.00000
2.675	11.690	.85300	1.35500	.05100	-.02100	3.05600	-.02700	.00000	.00000	.00000	.00000
2.675	13.210	.85300	1.72200	.07800	-.02500	3.31700	.00200	.00000	.00000	.00000	.00000
2.675	14.780	.85500	2.11500	.10600	-.03300	3.59400	-.14900	.00000	.00000	.00000	.00000
2.675	16.180	.86200	2.46100	.09900	-.03600	3.74200	-.06000	.00000	.00000	.00000	.00000
2.675	17.670	.87100	2.87700	.14900	-.04400	3.90900	-.13600	.00000	.00000	.00000	.00000
2.675	19.180	.88200	3.28800	.16000	-.05000	4.11100	-.21200	.00000	.00000	.00000	.00000
2.675	20.660	.89800	3.70200	.21400	-.05800	4.26700	-.27900	.00000	.00000	.00000	.00000
2.675	22.120	.91700	4.12400	.21500	-.	4.36800	-.20300	.00000	.00000	.00000	.00000
2.675	23.620	.92900	4.54200	.24200	-.07100	4.58300	-.25300	.00000	.00000	.00000	.00000
2.675	25.040	.94500	4.99300	.26900	-.08000	4.71900	-.38000	.00000	.00000	.00000	.00000
2.675	26.480	.95700	5.43500	.28600	-.08500	4.87200	-.17700	.00000	.00000	.00000	.00000
2.675	27.910	.97300	5.88400	.32000	-.09400	4.94900	-.20900	.00000	.00000	.00000	.00000
2.675	29.320	.98800	6.36700	.32400	-.09800	4.93600	-.18200	.00000	.00000	.00000	.00000
2.675	30.720	1.00600	6.83600	.33500	-.11000	5.14700	-.31200	.00000	.00000	.00000	.00000
2.675	32.130	1.02600	7.28200	.34000	-.11600	5.35200	-.20300	.00000	.00000	.00000	.00000
2.675	33.550	1.04200	7.72300	.35800	-.11800	5.55300	-.12700	.00000	.00000	.00000	.00000
2.675	34.910	1.06400	8.16700	.38100	-.12900	5.70300	-.31900	.00000	.00000	.00000	.00000
2.675	36.340	1.07700	8.62600	.41400	-.14300	5.84400	-.25600	.00000	.00000	.00000	.00000
2.675	37.680	1.08400	9.06100	.44800	-.14900	5.99700	- 22200	.00000	.00000	.00000	.00000
2.675	39.120	1.08900	9.50900	.47000	-.15700	6.27170	-.24500	.00000	.00000	.00000	.00000
	GRADIENT	-.00128	.08467	.00156	-.00010	.20307	-.00316	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE018) (02 MAY 74)

REFERENCE DATA

SREF =	7.0600 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
ALPROT =	.000	PWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	ENGSTK =	.000

RUN NO. 27/ 1 RN/L = 2.82 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	40.180	1.19800	10.57400	.59900	-.18800	7.86400	-.42900	.00000	.00000	.	.
2.004	41.570	1.21500	11.04800	.60200	-.19600	8.07700	-.39100	.00000	.	.	.
2.004	42.990	1.19900	11.49200	.59000	-. .	8.29500	-.37600	.00000	.00000	.	.
2.004	44.400	1.19000	11.96600	.63500	-.21000	8.57200	-.42500	.00000	.	.	.00000
2.004	45.830	1.18990	12.41700	.67300	-.21700	8.80400	-.38800	.00000	.	.00000	.00000
2.004	47.290	1.17700	12.85100	.69900	-.22600	9.14800	-.37700	.00000	.	.	.00000
2.004	48.710	1.16600	13.29300	.71800	-.23400	9.40400	-.36600	.00000	.00000	.	.00000
2.004	50.120	1.15600	13.74000	.74700	-.24300	9.70500	-.35700	.00000	.00000	.	.00000
2.004	51.520	1.14900	14.13400	.78800	-.25000	9.95700	-.33700	.00000	.00000	.	.
2.004	52.050	1.14500	14.27500	.78800	-.25300	10.09700	-.32000	.00000	.	.	.
2.004	53.540	1.12700	14.67400	.81000	-.26200	10.48400	-.27500	.00000	.00000	.	.
2.004	54.920	1.11400	15.06900	.84000	-.27100	10.74200	-.29700	.00000	.	.	.
2.004	56.350	1.09900	15.44800	.87200	-.27800	10.92400	-.18300	.00000	.00000	.00000	.
2.004	57.650	1.07200	15.82200	.88800	-.28500	11.17200	-.17800	.00000	.00000	.00000	.00000
2.004	59.280	1.04500	16.19900	.90700	-.29400	11.35100	-.18100	.00000	.00000	.00000	.00000
2.004	60.740	1.00700	16.55900	.93600	-.30100	11.54000	-.16200	.00000	.00000	.	.00000
2.004	62.220	.96200	16.88400	.97200	-.30800	11.68300	-.16100	.00000	.00000	.00000	.00000
2.004	63.780	.91900	17.22900	1.00800	-.31600	11.83800	-.15400	.00000	.00000	.	.00000
2.004	65.310	.87300	17.56800	1.01900	-.32200	11.98300	-.13400	.00000	.00000	.	.00000
2.004	66.790	.83000	17.90900	1.02900	-.32900	12.05600	-.05700	.00000	.00000	.	.00000
2.004	68.260	.77600	18.22200	1.03300	-.33600	12.08500	-.04000	.00000	.00000	00000	.00000
2.004	69.920	.71100	18.49300	1.05900	-.34100	12.14100	-.03300	.00000	.00000	.00000	.00000
2.004	71.450	.64 .	18.76600	1.07570	-.34600	12.05100	.03200	.00000	.00000	.00000	.00000
2.004	73.110	.56300	19.05500	1.09300	-.35100	12.02301	.13600	.00000	.00000	.00000	.00000
2.004	74.700	.47200	19.27700	1.08800	-.35700	11.89700	.15300	.00000	.00000	.00000	.00000
2.004	75.650	.41400	19.38100	1.11900	-.35900	11.88201	.07700	.00000	.00000	.00000	.00000
2.004	77.270	.30400	19.60600	1.14300	-.36300	11.66300	.15100	.00000	.00000	.00000	.00000
2.004	79.350	.13000	19.87500	1.16600	-.36800	11.33900	.17400	.00000	.00000	.00000	.00000
2.004	81.990	-.03300	20.03500	1.16300	-.37200	11.01500	.32600	.00000	.00000	.00000	.00000
2.004	82.700	-.15600	20.21100	1.17700	-.37300	10.65100	.32900	.00000	.00000	.00000	.00000
2.004	84.440	-.29300	20.31800	1.23600	-.37500	10.29500	.3120	.00000	.00000	.00000	.00000
2.004	86.080	-.41700	20.40300	1.25100	-.37700	9.94300	.22000	.00000	.00000	.00000	.00000
2.004	87.670	-.52600	20.41900	1.27300	-.37900	9.74800	.15870	.00000	.00000	.00000	.00000
2.004	89.270	-.61700	20.44000	1.27000	-.37800	9.34500	.25600	.00000	.00000	.00000	.00000
2.004	19.950	1.12 .	5.43900	.14700	-.36800	5.76400	.07100	.00000	.00000	.00000	.00000
2.004	.070	1.07 .	- .09700	- .07600	-.00200	.00200	-.01400	.00000	.00000	.00000	.00000
	GRADIENT	- .72120	23702	.71500	-.00548	.09134	.00945	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGED18) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	ENGSTK =	.000

RUN NO. 28/ 1 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.675	40.530	1.10000	9.95900	.50400	-.16500	6.57200	-.24600	.00000	.00000	.00000	.00000
2.675	41.830	1.11100	10.43200	.50700	-.17300	6.79800	-.23400	.00000	.00000	.00000	.00000
2.675	43.300	1.12000	10.86200	.52400	-.18300	7.00800	-.21500	.00000	.00000	.00000	.00000
2.675	44.730	1.12700	11.31100	.56100	-.19200	7.31500	-.24500	.00000	.00000	.00000	.00000
2.675	46.090	1.14100	11.75000	.57600	-.20100	7.51800	-.26800	.00000	.00000	.00000	.00000
2.675	47.470	1.14600	12.18000	.60600	-.21100	7.72100	-.27200	.00000	.00000	.00000	.00000
2.675	48.910	1.16200	12.60500	.62400	-.21800	7.92100	-.20700	.00000	.00000	.00000	.00000
2.675	50.300	1.17500	13.04400	.68600	-.22800	8.13800	-.32100	.00000	.00000	.00000	.00000
2.675	51.740	1.17600	13.44300	.67400	-.23500	8.41300	-.21200	.00000	.00000	.00000	.00000
2.675	52.550	1.18000	13.68200	.69500	-.24200	8.55800	-.23600	.00000	.00000	.00000	.00000
2.675	53.960	1.17800	14.07300	.69600	-.25100	8.80400	-.20000	.00000	.00000	.00000	.00000
2.675	55.390	1.17100	14.45400	.73900	-.25900	9.10100	-.26200	.00000	.00000	.00000	.00000
2.675	56.810	1.15800	14.84600	.75300	-.26800	9.33900	-.23700	.00000	.00000	.00000	.00000
2.675	58.290	1.12300	15.20800	.77300	-.27400	9.61000	-.19300	.00000	.00000	.00000	.00000
2.675	59.690	1.08600	15.55900	.81400	-.28300	9.81100	-.18100	.00000	.00000	.00000	.00000
2.675	61.220	1.03600	15.87600	.82500	-.29100	10.06200	-.22800	.00000	.00000	.00000	.00000
2.675	62.730	.98600	16.19700	.87000	-.29900	10.26700	-.22200	.00000	.00000	.00000	.00000
2.675	64.150	.94200	16.50800	.87400	-.30600	10.34400	-.24500	.00000	.00000	.00000	.00000
2.675	65.720	.88800	16.78800	.99100	-.31500	10.51700	-.19500	.00000	.00000	.00000	.00000
2.675	67.250	.84700	17.06100	.91900	-.32200	10.61800	-.23800	.00000	.00000	.00000	.00000
2.675	68.770	.79000	17.33800	.91500	-.32800	10.66600	-.16300	.00000	.00000	.00000	.00000
2.675	70.360	.73200	17.57900	.95900	-.33400	10.69300	-.20200	.00000	.00000	.00000	.00000
2.675	71.910	.66800	17.82300	.98900	-.34000	10.66400	-.16300	.00000	.00000	.00000	.00000
2.675	73.550	.60000	18.04600	.98700	-.34300	10.59400	-.08000	.00000	.00000	.00000	.00000
2.675	74.690	.55100	18.20600	1.02000	-.34600	10.51800	-.09000	.00000	.00000	.00000	.00000
2.675	76.270	.47500	18.40000	1.03600	-.35000	10.40800	-.09100	.00000	.00000	.00000	.00000
2.675	78.510	.36000	18.66100	1.08400	-.35300	10.19400	.04800	.00000	.00000	.00000	.00000
2.675	80.320	.25600	18.90900	1.10900	-.35900	10.07500	.06400	.00000	.00000	.00000	.00000
2.675	82.100	.15100	19.12600	1.12600	-.36600	10.02700	.05900	.00000	.00000	.00000	.00000
2.675	83.930	.04000	19.33100	1.15900	-.37100	9.92700	.08900	.00000	.00000	.00000	.00000
2.675	85.800	-.08700	19.46600	1.16300	-.37600	9.68400	.11300	.00000	.00000	.00000	.00000
2.675	88.580	-.25600	19.52100	1.16800	-.37800	9.17500	.16100	.00000	.00000	.00000	.00000
	GRADIENT	-.02744	.20511	.01484	-.00462	.07258	.00789	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB, (NOSE MOUNTED MODEL) (RGE019) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8310 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	ENGSTK =	.000

RUN NO. 25/ 0 RN/L = 2.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.001	90.840	50300	20.10100	1.47800	-.42700	5.81900	.42500	.74482	-.06029	.66868	- 18732
2.001	93.060	.48900	20.00300	1.48100	-.42400	5.31400	.47200	.69214	-.12390	.49977	-.20960
2.001	95.090	.36000	19.87400	1.49500	-.42100	4.96400	.55200	.62161	-.18106	.38077	-.23477
2.001	96.540	.25900	19.75600	1.48300	-.42000	4.62100	.63300	.57565	-.21157	.34970	-.25047
2.001	98.280	.14400	19.58000	1.45800	-.41600	4.26400	.69500	.51393	-.23522	.31609	-.25781
2.001	100.190	.01600	19.39200	1.46100	-.41200	3.75500	.69700	.43790	-.25647	.25995	-.26883
2.001	102.200	-.14200	19.17500	1.45100	-.40600	3.37100	.74200	.34515	-.26708	.17058	-.27561
2.001	105.110	-.35900	18.73900	1.45900	-.39900	2.97600	.88100	.21047	-.28080	.05587	-.28720
2.001	107.570	-.48800	18.50300	1.41300	-.39400	2.72200	.84800	.14237	-.28331	.00820	-.29056
2.001	112.170	-.66500	17.54300	1.34200	-.37500	2.08100	.65900	.00021	-.29011	-.08588	-.30120
2.001	113.350	-.98200	17.17600	1.30000	-.36800	1.87100	.59400	-.03207	-.29222	-.10882	-.30416
2.001	115.240	-1.10500	16.82900	1.26300	-.36100	1.71900	.84500	-.06039	-.29317	-.13030	-.30582
2.001	117.390	-1.22400	16.48000	1.24900	-.35200	1.60700	.66600	-.08415	-.29478	-.14980	-.30928
2.001	117.560	-1.32800	16.08800	1.21000	-.34600	1.50200	.85900	-.10553	-.29437	-.16605	-.30972
2.001	118.710	-1.43700	15.70200	1.18600	-.33700	1.36500	.84700	-.12475	-.29565	-.18185	-.31185
2.001	120.190	-1.55500	15.34300	1.14300	-.33100	1.27100	.94900	-.14126	-.29520	-.19584	-.31183
2.001	121.660	-1.67600	14.97200	1.12900	-.32300	1.20300	.88400	-.15580	-.29438	-.20824	-.31101
2.001	123.100	-1.79800	14.60000	1.09300	-.31400	1.08000	.82700	-.16940	-.29391	-.21843	-.31054
2.001	124.480	-1.91500	14.23300	1.07100	-.30400	.94100	.73800	-.18038	-.29424	-.22729	-.31130
2.001	125.990	-2.04100	13.81700	1.03700	-.29600	.80000	.73400	-.19166	-.29055	-.23428	-.31229
2.001	128.110	-2.07400	13.51700	1.00500	-.28900	.38100	.71200	-.20057	-.27687	-.24021	-.31310
2.001	129.620	-2.14000	13.13500	.98600	-.27900	.25900	.71000	-.20607	-.25766	-.24231	-.31266
2.001	130.900	-2.18900	12.73000	.96500	-.27000	.02600	.63900	-.21034	-.24487	-.24359	-.31096
2.001	132.120	-2.23000	12.31400	.93000	-.26000	-.03600	.50300	-.21457	-.24442	-.23973	-.28152
2.001	133.420	-2.28500	11.87600	.89300	-.25100	-.09100	.58800	-.21713	-.23418	-.24058	-.28024
2.001	134.640	-2.33400	11.46000	.86600	-.24200	-.03800	.58500	-.22116	-.23210	-.23850	-.25470
	GRADIENT	-.07199	-.20434	-.01520	.00431	-.12976	.00231	-.02307	-.00224	-.01866	-.00173

LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL) (RGE019) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	ENGSTK =	.000

RUN NO. 26/ 0 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	C3L	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.674	91.360	.47500	19.18300	1.30400	-.41300	5.11400	.28600	.66070	-.06539	.39699	-.12681
2.674	93.630	.36100	19.11500	1.32000	- 41200	4.	.40100	.59331	-.06940	.37200	-.11393
2.674	95.550	.24100	18.95300	1.31000	-.40800	4.55400	.42900	.51399	-.09711	.32947	-.11912
2.674	97.760	.10700	18.66900	1.28000	-.39900	4.34600	.51200	.41370	-.11043	.24451	-.12374
2.674	99.890	-.02300	18.37100	1.22400	-.39400	4.12100	.59800	.32418	-.12226	.16570	-.13044
2.674	102.700	-.18100	18.00400	1.22400	-.38700	3.77000	.61200	.22921	-.13144	.09880	-.13655
2.674	105.510	-.37900	17.61700	1.21200	-.37800	3.32600	.58700	.15500	-.13964	.05221	-.14424
2.674	108.630	-.61300	17.07600	1.19100	-.36900	2.90600	.62300	.08953	-.14267	.01231	-.14779
2.674	112.400	-.86000	16.50600	1.18500	-.36000	2.51000	.72400	.04405	-.14415	-.01884	-.14977
2.674	117.530	-1.22300	15.54600	1.12200	-.33700	2.08400	.70600	-.01268	-.14827	-.06436	-.15390
2.674	119.310	-1.35300	15.19900	1.08700	-.33200	1.98000	.75500	-.03156	-.14974	-.08067	-.15557
2.674	122.460	-1.70600	14.04900	1.00400	-.30400	1.62200	.68800	-.06899	-.15139	-.10532	-.15957
2.674	125.160	-1.93200	13.25800	.95300	-.28900	1.54200	.76000	-.08428	-.15232	-.11446	-.16000
2.674	126.600	-2.04200	12.85700	.91500	-.27900	1.49500	.67500	-.09499	-.15230	-.12109	-.15998
2.674	129.410	-2.23600	12.04100	.87000	-.26000	1.31800	.67700	-.10578	-.15133	-.12625	-.15952
2.674	130.840	-2.32800	11.66600	.82800	-.25100	1.19900	.65100	-.11446	-.15080	-.13135	-.16155
2.674	132.650	-2.29300	1..29600	.79600	-.24200	.73200	.69900	-.12054	-.14972	-.13385	-.16047
2.674	133.890	-2.28400	10.90100	.76900	-.23200	.51300	.67400	-.12463	-.14511	-.13487	-.15689
2.674	135.200	-2.30200	10.46900	.73000	-.22200	.28700	.63900	-.12826	-.14003	-.13593	-.15231
2.674	136.620	-2.34300	10.03200	.69600	-.21200	.25300	.60400	-.12979	-.13439	-.13393	-.14821
2.674	138.020	-2.38500	9.60500	.66800	-.20300	.25700	.58100	-.13023	-.13023	-.13535	-.14406
2.674	139.490	-2.43000	9.16000	.63900	-.19600	.24100	.60900	-.13280	-.13178	-.13741	-.14356
	GRADIENT	-.06598	-.21542	-.01417	.00467	-.10085	.00467	-.01509	-.00109	-.01048	-.00070

LEWIS T-035 SA6F 142-IN SRB, (NOSE MOUNTED MODEL) (RGE020) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.
LREF =	3.0000 IN.	YMRP =	.0000 IN.
BREF =	3.0000 IN.	ZMRP =	.0000 IN.
SCALE =	.0211		

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	ENGSTK =	.000

RUN NO. 25/ 1 RN/L = 2.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.001	136.110	-2.39000	10.98800	.80600	-.23100	-.10000	.53200	-.22904	-.23884	-.24268	-.24524
2.001	137.520	-2.43500	10.51400	.79900	-.22300	-.20800	.55300	-.23637	- 23850	-.24745	-.24489
2.001	138.860	-2.48000	10.07100	.77900	-.21400	-.27100	.56100	-.24062	-.23763	-.25000	-.24616
2.001	140.250	-2.52700	9.60800	.75600	-.20500	-.28400	.56700	-.24137	-.23754	-.24649	-.24607
2.001	141.590	-2.61000	9.10200	.73000	-.19700	-.28100	.54700	-.24143	- 23802	-.24313	-.24569
2.001	141.470	-2.61200	9.17000	.69400	-.19800	-.26500	.58900	-.24097	-.23713	-.23884	-.24481
2.001	142.870	-2.72200	8.67300	.68000	-.18900	-.16800	.58700	-.24223	-.23925	-.24138	-.24564
2.001	144.260	-2.91200	8.27600	.65000	-.17700	.07700	.56600	-.24610	-.24184	-.24355	-.24781
2.001	145.700	-2.91500	7.74200	.62100	-.17000	-.09700	.58400	-.24698	-.24315	-.24613	-.24997
2.001	147.160	-2.89000	7.27500	.59200	-.15900	-.18200	.54500	-.24472	-.24003	-.24259	-.24600
2.001	148.440	-2.87100	6.84700	.57100	-.15000	-.24600	.51800	-.24435	-.23966	-.24222	-.24397
2.001	149.910	-2.85300	6.38400	.53400	-.14250	-.35900	.4881[illegible]	-.24605	-.24137	-.24350	-.24350
2.001	151.310	-2.82400	5.91700	.50600	-.13400	-.50800	.51400	-.24308	-.23924	-.24180	-.24137
2.001	152.820	-2.80100	5.42000	.48500	-.12600	-.67700	.56000	-.24015	-.23461	-.23716	-.23759
2.001	154.320	-2.78300	4.94900	.46400	-.11800	-.82300	.53900	-.23456	-.22987	-.23200	-.23285
2.001	155.740	-2.76900	4.43500	.42900	-.10800	-1.02100	.50000	-.22902	-.22391	-.22647	-.22817
2.001	157.210	-2.75000	3.94200	.39400	-.10000	-1.22100	.53900	-.22091	-.21708	-.21751	-.22177
2.001	158.720	-2.71800	3.50000	.36400	-.09200	-1.34000	.50300	-.21670	-.21457	-.21415	-.21670
2.001	160.170	-2.68200	3.05800	.32200	-.08400	-1.58100	44700	-.21072	-.20476	-.20689	-.20944
2.001	161.780	-2 63900	2 63900	.28400	-.07600	-1.53500	.43500	-.20514	-.19533	-.20002	-.20343
2.001	163.310	-2.58600	2.20500	.27600	-.06500	-1.72700	29300	-.19735	-.18853	-.19066	-.19406
2.001	164.850	-2.55300	1.76300	.23500	-.05900	-1.69500	.38400	-.18765	-.17914	-.17957	-.18042
2.001	166.560	-2.55500	1.35900	.17900	-.04500	-1.56600	.15900	- 17611	-.16760	-.16930	-.16887
2.001	169.030	-2.52100	1.00600	.17100	-.03600	-1.35000	.16200	- 16327	-.15518	-.15688	-.15731
2.001	169.650	-2.48500	.74100	.11300	-.03000	-1.11200	.16800	-.[illegible]687	-.14163	-.14461	-.14419
2.001	171.270	-2.44200	.54000	.07700	-.02500	-.95000	.08100	-.[illegible]403	-.12593	-.12977	-.13019
2.001	172.830	-2.39500	.37000	.04000	-.01700	-.75300	.00900	-.[illegible]993	-.11052	-.11478	-.11564
2.001	174.630	-2.34800	.24500	.02900	-.01200	-.56400	.00700	- 10725	-.09831	-.10086	-.10342
2.001	176.190	-2.28600	.16600	.01100	-.00700	-.43300	-.06800	- 09899	-.09132	-.09260	-.09217
2.001	177.880	-2.23000	.09000	.01700	-.00500	-.24000	-.04900	-.09185	-.08759	-.08801	-.08801
2.001	179.560	-2.13300	.01300	.01000	-.00300	-.05600	-.03400	-.08349	-.08721	-.08721	-.08763
2.001	180.630	-2.13500	-.02800	.01100	-.00500	.12200	.01700	-.08844	-.08759	-.08716	-.08759
2.001	182.350	-2.23400	-.10100	.00100	-.00200	.24300	-.01300	-.09148	-.09062	- 09318	-.09190
2.001	184.210	-2.29600	-.17500	-.01800	-.00500	.43700	.02300	-.10123	-.09825	-.10507	-.09825
2.001	185.910	-2.36200	-.29100	-.03300	-.00200	.59800	- 06600	-.11487	-.11104	-.11743	-.10976
	GRADIENT	.00990	-.24347	-.01867	.00503	-.00015	-.01532	.00269	.00378	.00383	.00392

LEWIS T-035 SA6F 142-IN SRB, (NOSE MOUNTED MODEL) (RGE020) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	135.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	1.000	ENGSTK =	.000

RUN NO. 26/ 1 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.674	141.030	-2.46300	8.69400	.60200	-.18400	.16500	.55500	-.13584	-.13328	-.13840	-.14301
2.674	142.610	-2.49000	8.24200	.57700	-.17300	.14800	.47000	-.13782	-.13373	-.13936	-.14398
2.674	142.960	-2.49600	8.10900	.55900	-.17200	.15600	.55700	-.12560	-.13687	-.13021	-.14557
2.674	144.550	-2.51500	7.67100	.52700	-.16100	.11000	.45900	-.13371	-.13627	-.13473	-.14497
2.674	145.980	-2.52700	7.21900	.50900	-.15700	.12400	.55500	-.13672	-.13467	-.13569	-.14338
2.674	148.630	-2.52200	6.29800	.43300	-.13400	.06600	.39100	-.14036	-.13575	-.13831	-.14189
2.674	149.550	-2.87300	5.84000	.41900	-.12600	.56800	.39800	-.14129	-.13668	-.13924	-.14231
2.674	150.910	-2.86200	5.41400	.40600	-.11500	.52700	.34300	-.14282	-.13719	-.14026	-.14231
2.674	152.380	-2.86300	4.97500	.36900	-.10800	.46400	.43400	-.14384	-.13770	-.14077	-.14231
2.674	153.740	-2.82100	4.54800	.35000	-.10100	.35700	.34300	-.14230	-.13718	-.14025	-.14179
2.674	155.250	-2.78000	4.13300	.31500	-.09000	.29700	.25900	-.14178	-.13563	-.13871	-.13973
2.674	156.670	-2.72900	3.74800	.28800	-.08300	.21200	.22700	-.14069	-.13506	-.13813	-.13916
2.674	158.140	-2.64600	3.34600	.27900	-.07900	-.09500	.39400	-.14028	-.13465	-.13823	-.13875
2.674	159.670	-2.58500	2.98400	.25200	-.06900	-.20700	.28500	-.13762	-.13301	-.13609	-.13762
2.674	161.110	-2.54000	2.60800	.21400	-.06200	-.36100	.26100	-.13568	-.13158	-.13465	-.13568
2.674	162.620	-2.50500	2.24500	.18300	-.05200	-.40700	.21900	-.13253	-.12843	-.13202	-.13253
2.674	164.180	-2.46700	1.88400	.14300	-.05100	-.44700	.36400	-.12945	-.12484	-.12945	-.13047
2.674	165.730	-2.42900	1.54200	.09900	-.04000	-.54800	.15400	-.12843	-.12330	-.12740	-.12740
2.674	167.290	-2.39200	1.20200	.08300	-.03500	-.65600	.10600	-.12584	-.12021	-.12430	-.12533
2.674	168.840	-2.41700	.89200	.05900	-.02700	-.65200	.00700	-.12226	-.11714	-.12072	-.12226
2.674	170.340	-2.38300	.61500	.04100	-.01800	-.61400	-.05200	-.11656	-.11143	-.11502	-.11605
2.674	172.020	-2.34600	.42300	.02400	-.01500	-.54300	.03100	-.10061	-.09907	-.10112	-.10368
2.674	173.660	-2.29800	.28100	.03200	-.01300	-.46200	.09700	-.08326	-.09094	-.09504	-.09708
2.674	175.280	-2.23900	.18200	.02400	-.00700	-.35100	-.00900	-.05448	-.08011	-.08523	-.08677
2.674	176.940	-2.18500	.11900	.04200	-.00700	-.23900	.04200	-.05357	-.07303	-.07662	-.07715
2.674	178.550	-2.09500	.06200	.01700	-.00400	-.14800	.05900	-.06166	-.06730	-.06986	-.06986
2.674	180.300	-2.08100	-.01100	.02100	-.00400	.02100	-.00800	-.06363	-.06568	-.06671	-.06722
2.674	180.760	-2.08200	-.02600	.00900	-.00300	.08600	.00000	-.07403	-.07147	-.07352	-.07403
2.674	182.460	-2.14600	-.09800	-.00300	-.00200	.21100	.01100	-.07038	-.06884	-.07038	-.07038
2.674	184.270	-2.22500	-.15300	-.00300	.00000	.29400	-.01500	-.06829	-.07598	-.07751	-.07700
2.674	185.910	-2.27200	-.24700	-.02800	-.00400	.40900	.00900	-.07858	-.08472	-.08626	-.08575
	GRADIENT	.01288	-.20810	-.01453	.00429	-.00884	-.01356	.00196	.00175	.00172	.00188

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE021) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	8.000

RUN NO. 33/ 0 RN/L = 2.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	-5.850	1.11400	-.65400	-.00600	-.00500	-.96400	-.06700	.00000	.00000	.00000	.00000
2.004	-4.990	1.10000	-.57000	-.03000	-.00500	-.76700	-.06200	.00000	.00000	.00000	.00000
2.004	-4.110	1.08800	-.49000	-.01500	-.00500	-.55900	-.08200	.00000	.00000	.00000	.00000
2.004	-3.180	1.07000	-.41700	-.00500	-.00400	-.37200	-.05000	.00000	.00000	.00000	.00000
2.004	-2.300	1.05400	-.34300	-.01400	-.00500	-.20900	-.06400	.00000	.00000	.00000	.00000
2.004	-1.370	1.04500	-.25100	-.02500	-.00200	-.14100	-.02900	.00000	.00000	.00000	.00000
2.004	-.490	1.04000	-.18200	-.03300	-.00500	-.04500	-.05600	.00000	.00000	.00000	.00000
2.004	.330	1.03900	-.08500	-.01200	-.00300	-.02100	-.01300	.00000	.00000	.00000	.00000
2.004	1.230	1.04200	-.00300	-.02000	-.00300	.03100	-.05500	.00000	.00000	.00000	.00000
2.004	2.040	1.05000	.06300	-.01900	-.00500	.12400	-.08700	.00000	.00000	.00000	.00000
2.004	2.950	1.05900	.14200	-.03600	.00000	.25300	-.01600	.00000	.00000	.00000	.00000
2.004	3.760	1.07500	.21500	-.03300	-.00200	.40700	-.06900	.00000	.00000	.00000	.00000
2.004	4.630	1.09100	.29000	-.02500	-.00500	.49900	-.11800	.00000	.00000	.00000	.00000
2.004	5.440	1.10100	.36900	-.01800	-.00400	.71400	-.07300	.00000	.00000	.00000	.00000
2.004	6.280	1.11100	.45200	-.01400	-.00500	.88100	-.11300	.00000	.00000	.00000	.00000
2.004	7.110	1.11700	.55200	-.03300	-.00100	1.09400	-.07100	.00000	.00000	.00000	.00000
2.004	7.910	1.12500	.65400	-.02400	-.00200	1.24400	-.04900	.00000	.00000	.00000	.00000
2.004	8.730	1.12900	.75000	-.04100	-.00400	1.46000	-.12700	.00000	.00000	.00000	.00000
2.004	9.570	1.13300	.86300	-.03400	-.00300	1.70000	-.03300	.00000	.00000	.00000	.00000
2.004	11.210	1.13500	1.16400	-.02700	-.00400	2.23300	-.08000	.00000	.00000	.00000	.00000
2.004	12.840	1.12900	1.51500	-.05300	.00000	2.83600	-.00400	.00000	.00000	.00000	.00000
2.004	14.440	1.13100	1.88800	-.05300	-.00500	3.47600	-.07400	.00000	.00000	.00000	.00000
2.004	15.540	1.13100	2.20800	-.04900	-.00100	3.87700	-.04300	.00000	.00000	.00000	.00000
2.004	17.140	1.13400	2.66700	-.06500	-.00300	4.22500	-.08800	.00000	.00000	.00000	.00000
2.004	18.670	1.13000	3.14600	-.09000	-.00100	4.47800	-.06600	.00000	.00000	.00000	.00000
2.004	20.210	1.12100	3.62500	-.09300	-.00500	4.74200	-.02200	.00000	.00000	.00000	.00000
2.004	21.660	1.12500	4.13800	-.07100	-.00600	4.79200	-.13000	.00000	.00000	.00000	.00000
2.004	23.100	1.12700	4.65100	-.06200	-.00400	4.98100	-.05200	.00000	.00000	.00000	.00000
2.004	24.550	1.13000	5.17500	-.06100	-.00400	5.05800	-.06900	.00000	.00000	.00000	.00000
2.004	26.050	1.14100	5.71300	-.06000	-.00100	5.03500	-.07400	.00000	.00000	.00000	.00000
2.004	27.480	1.15200	6.22400	-.04900	.00000	5.15500	-.12600	.00000	.00000	.00000	.00000
2.004	28.950	1.16200	6.73000	-.04600	.00200	5.17900	-.11100	.00000	.00000	.00000	.00000
2.004	30.350	1.17500	7.25600	-.03400	-.00200	5.23600	-.19600	.00000	.00000	.00000	.00000
2.004	31.750	1.18800	7.73600	-.04000	.00200	5.32100	-.07300	.00000	.00000	.00000	.00000
2.004	33.120	1.19600	8.31600	-.05500	.00200	5.31500	.00100	.00000	.00000	.00000	.00000
2.004	34.510	1.20000	8.85600	-.05900	.00100	5.36300	-.08100	.00000	.00000	.00000	.00000
2.004	35.970	1.20100	9.40600	-.04600	-.00200	5.29600	-.02700	.00000	.00000	.00000	.00000
2.004	37.350	1.20700	9.94100	-.03200	.00100	5.44900	-.01500	.00000	.00000	.00000	.00000
2.004	38.900	1.21500	10.39700	-.07200	.00100	5.78200	-.00800	.00000	.00000	.00000	.00000
	GRADIENT	-.00139	.09051	-.00126	.00022	.11715	-.00127	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE021) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = .000
ALPROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = .000 ENGSTK = 8.000

RUN NO. 42/ 0 RN/L = 2.35 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.676	-5.850	.89900	-.59500	-.00600	-.00400	-1.09700	.08200	.00000	.00000	.00000	.00000
2.676	-4.150	.88400	-.40800	.00500	-.	-.74300	.00100	.00000	.00000	.00000	.00000
2.676	-2.320	.86400	-.22400	-.02200	-.00400	-.32000	.05800	.00000	.00000	.00000	.00000
2.676	-.630	.85700	-.08200	-.01800	.00200	-.13800	.18000	.00000	.00000	.00000	.00000
2.676	1.140	.85500	.08500	-.00600	-.00600	.10800	-.09700	.00000	.00000	.00000	.00000
2.676	2.850	.86700	.22800	-.02100	-.00100	.35600	.09400	.00000	.00000	.00000	.00000
2.676	4.500	.88600	.38200	-.04200	.00300	.67800	.12400	.00000	.00000	.00000	.00000
2.676	6.170	.90100	.56300	-.01200	.00100	1.09300	.03000	.00000	.00000	.00000	.00000
2.676	7.770	.91600	.73000	-.04000	.00300	1.47800	.12300	.00000	.00000	.00000	.00000
2.676	9.420	.93000	1.05400	-.03800	-.00400	1.95300	.03100	.00000	.00000	.00000	.00000
2.676	10.990	.92700	1.40100	-.00500	.00000	2.35500	.04500	.00000	.00000	.00000	.00000
2.676	12.560	.92300	1.76000	-.03000	-.00400	2.64200	-.04000	.00000	.00000	.00000	.00000
2.676	14.150	.92600	2.17000	-.03600	-.00200	2.83600	.01300	.00000	.00000	.00000	.00000
2.676	15.700	.93700	2.59000	-.03100	-.00400	2.99200	.03400	.00000	.00000	.00000	.00000
2.676	17.240	.94900	3.00100	-.04000	-.00400	3.10000	.03400	.00000	.00000	.00000	.00000
2.676	18.710	.96400	3.42700	-.03500	-.00100	3.21900	.04500	.00000	.00000	.00000	.00000
2.676	20.190	.98100	3.84200	-.02000	-.00100	3.27600	.05900	.00000	.00000	.00000	.00000
2.676	21.670	.99600	4.29200	-.02900	.00000	3.37800	.01500	.00000	.00000	.00000	.00000
2.676	23.140	1.01400	4.71600	-.03600	.00100	3.41600	-.02200	.00000	.00000	.00000	.00000
2.676	24.570	1.03200	5.15800	-.03200	.00200	3.47500	-.00300	.00000	.00000	.00000	.00000
2.676	26.000	1.04800	5.63300	-.01200	.00500	3.55000	.10700	.00000	.00000	.00000	.00000
2.676	27.410	1.07200	6.09200	-.02100	.00100	3.56600	.01800	.00000	.00000	.00000	.00000
2.676	28.830	1.09200	6.53700	-.02500	-.00100	3.63200	.04800	.00000	.00000	.00000	.00000
2.676	30.250	1.11200	7.02700	-.00400	.00100	3.67000	.02100	.00000	.00000	.00000	.00000
2.676	31.650	1.13400	7.49500	-.00100	.00300	3.76500	.11100	.00000	.00000	.00000	.00000
2.676	33.070	1.14600	7.97600	-.00500	.00000	3.92100	.00800	.00000	.00000	.00000	.00000
2.676	34.330	1.16700	8.39400	-.05700	.00500	3.97200	.06300	.00000	.00000	.00000	.00000
2.676	35.730	1.18400	8.87700	-.01100	.00200	4.10100	.10500	.00000	.00000	.00000	.00000
2.676	37.150	1.20000	9.32800	-.05300	.00800	4.19600	.14600	.00000	.00000	.00000	.00000
2.676	38.500	1.21500	9.79900	-.04200	.00500	4.26800	.11500	.00000	.00000	.00000	.00000
2.676	39.890	1.22500	10.26200	-.04800	.00500	4.46400	.03600	.00000	.00000	.00000	.00000
	GRADIENT	.00023	.09044	-.0[illegible]63	.00075	.15501	.00725	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE022) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = .000
ALPROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = .000 ENGSTK = 8.000

RUN NO. 33/ 1 RN/L = 2.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	40.300	1.21800	10.89200	-.07500	.00300	5.92000	.09200	.00000	.00000	.00000	.00000
2.004	41.550	1.22000	11.34500	-.05400	-.00100	6.04400	-.02600	.00000	.00000	.00000	.00000
2.004	42.990	1.22200	11.88100	-.07600	.00100	6.26400	-.03400	.00000	.00000	.00000	.00000
2.004	45.850	1.21900	12.87900	-.08400	.00200	6.65100	.00900	.00000	.00000	.00000	.00000
2.004	47.370	1.20700	13.37800	-.07600	.00100	6.94600	-.01900	.00000	.00000	.00000	.00000
2.004	47.570	1.20200	13.39500	-.09800	.00000	6.95000	-.06000	.00000	.00000	.00000	.00000
2.004	48.690	1.19100	13.74500	-.09500	.00100	7.08800	-.03100	.00000	.00000	.00000	.00000
2.004	50.210	1.18100	14.20900	-.08800	.00200	7.30000	-.01900	.00000	.00000	.00000	.00000
2.004	51.490	1.17300	14.60500	-.09100	.00200	7.69200	-.05700	.00000	.00000	.00000	.00000
2.004	52.680	1.15900	14.94100	-.09800	.00200	7.85700	-.04400	.00000	.00000	.00000	.00000
2.004	54.030	1.14400	15.32200	-.09100	.00100	8.12600	-.05400	.00000	.00000	.00000	.00000
2.004	55.430	1.13000	15.70200	-.08700	.00100	8.35600	-.01500	.00000	.00000	.00000	.00000
2.004	56.870	1.10900	16.08200	-.09700	.00200	8.65500	.03300	.00000	.00000	.00000	.00000
2.004	58.380	1.08000	16.45200	-.08000	.00300	8.83800	-.05500	.00000	.00000	.00000	.00000
2.004	59.870	1.03900	16.82000	-.10800	.00100	9.16400	.00900	.00000	.00000	.00000	.00000
2.004	61.380	.99200	17.20300	-.09500	.00100	9.41400	-.01300	.00000	.00000	.00000	.00000
2.004	62.910	.93500	17.54800	-.10000	.00100	9.64300	.02500	.00000	.00000	.00000	.00000
2.004	64.380	.88800	17.89900	-.10900	.00100	9.73800	.07200	.00000	.00000	.00000	.00000
2.004	65.870	.83600	18.21700	-.09900	.00200	9.81000	.06400	.00000	.00000	.00000	.00000
2.004	67.390	.77500	18.52500	-.10600	.00000	10.00500	.05900	.00000	.00000	.00000	.00000
2.004	68.980	.70900	18.82100	-.10300	.00000	10.03300	.05800	.00000	.00000	.00000	.00000
2.004	70.560	.64800	19.08400	-.10600	-.00100	10.01200	.02300	.00000	.00000	.00000	.00000
2.004	72.110	.58100	19.34000	-.14400	.00000	10.06000	.11500	.00000	.00000	.00000	.00000
2.004	73.740	.52200	19.59500	-.11400	-.00100	10.11200	-.03200	.00000	.00000	.00000	.00000
2.004	75.540	.41600	19.81500	-.10900	.00200	10.04500	-.02400	.00000	.00000	.00000	.00000
2.004	77.230	.33400	20.03400	-.08100	.00400	10.03400	-.01100	.00000	.00000	.00000	.00000
2.004	79.190	.19500	20.22900	-.10000	.00300	9.83100	.05800	.00000	.00000	.00000	.00000
2.004	80.900	.04900	20.46000	-.10500	.00300	9.64500	.03800	.00000	.00000	.00000	.00000
2.004	82.560	-.08400	20.57200	-.09000	.00300	9.35900	.07600	.00000	.00000	.00000	.00000
2.004	84.370	-.22500	20.68500	-.08400	.00300	9.10100	.02900	.00000	.00000	.00000	.00000
2.004	85.790	-.32400	20.73900	-.09300	.00500	8.81700	.05200	.00000	.00000	.00000	.00000
2.004	87.280	-.42200	20.77000	-.08200	.00500	8.71200	.09100	.00000	.00000	.00000	.00000
2.004	89.360	-.56100	20.80500	-.05700	.00400	8.22800	.01100	.00000	.00000	.00000	.00000
	GRADIENT	-.03572	.20645	-.00023	.00005	.06768	.00177	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE022) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.
LREF =	3.0000 IN.	YMRP =	.0000 IN.
BREF =	3.0000 IN.	ZMRP =	.0000 IN.
SCALE =	.0211		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
SLETON =	.000	ENGSTK =	8.000

RUN NO. 42/ 1 RN/L = 2.35 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.676	41.320	1.23300	10.73100	-.05500	.00500	4.69700	.07900	.00000	.00000	.00000	.00000
2.676	42.680	1.24400	11.19700	-.07100	.00800	4.82500	.16600	.00000	.00000	.00000	.00000
2.676	44.100	1.25000	11.66400	-.07100	.00600	5.00800	.07500	.00000	.00000	.00000	.00000
2.676	45.470	1.26200	12.13300	-.07800	.00700	5.12900	.07800	.00000	.00000	.00000	.00000
2.676	46.870	1.27700	12.59700	-.07900	.00500	5.25900	.05300	.00000	.00000	.00000	.00000
2.676	48.250	1.28600	13.03200	-.08200	.00700	5.44500	.07200	.00000	.00000	.00000	.00000
2.676	49.670	1.29000	13.47100	-.08400	.00700	5.70700	.05600	.00000	.00000	.00000	.00000
2.676	51.060	1.29400	13.89100	-.08600	.00500	5.84300	.03300	.00000	.00000	.00000	.00000
2.676	52.460	1.28300	14.27700	-.09500	.00600	6.20900	.02600	.00000	.00000	.00000	.00000
2.676	53.910	1.28700	14.67200	-.11100	.00700	6.49100	.06000	.00000	.00000	.00000	.00000
2.676	55.320	1.27300	15.01600	-.11800	.00700	6.79700	.01000	.00000	.00000	.00000	.00000
2.676	56.720	1.26100	15.40000	-.12300	.00500	7.17000	.02200	.00000	.00000	.00000	.00000
2.676	58.140	1.24700	15.76000	-.12700	.00700	7.54400	.01100	.00000	.00000	.00000	.00000
2.676	59.530	1.23200	16.09000	-.13000	.00500	7.82700	.04100	.00000	.00000	.00000	.00000
2.676	61.180	1.20300	16.47400	-.13200	.00400	8.07600	-.01000	.00000	.00000	.00000	.00000
2.676	62.700	1.17600	16.79700	-.13500	.00600	8.30800	.02100	.00000	.00000	.00000	.00000
2.676	64.170	1.13200	17.09000	-.13600	.00700	8.46000	.03700	.00000	.00000	.00000	.00000
2.676	65.680	1.08600	17.25100	-.13400	.00700	8.56700	.00000	.00000	.00000	.00000	.00000
2.676	67.220	1.03700	17.51600	-.13100	.00800	8.66000	.04700	.00000	.00000	.00000	.00000
2.676	68.670	.98700	17.77600	-.13400	.00500	8.73600	-.06600	.00000	.00000	.00000	.00000
2.676	70.340	.93500	18.03000	-.09500	.00400	8.77900	-.07000	.00000	.00000	.00000	.00000
2.676	71.460	.87300	18.18400	-.09100	.00400	8.84900	-.08900	.00000	.00000	.00000	.00000
2.676	73.110	.82600	18.40600	-.09500	.00700	8.81300	-.05600	.00000	.00000	.00000	.00000
2.676	74.670	.81900	18.60700	-.09800	.00600	8.85300	-.08600	.00000	.00000	.00000	.00000
2.676	76.220	.80700	18.78300	-.09800	.00600	8.77100	-.09100	.00000	.00000	.00000	.00000
2.676	77.790	.47170	19.01000	-.09700	.00800	8.70100	-.04900	.00000	.00000	.00000	.00000
2.676	79.620	.39100	19.19200	-.12400	.00700	8.67200	-.05600	.00000	.00000	.00000	.00000
2.676	81.670	.28600	19.40800	-.11200	.00600	8.67700	-.04500	.00000	.00000	.00000	.00000
2.676	83.260	.19000	.58400	-.05400	.00800	8.58200	-.01200	.00000	.00000	.00000	.00000
2.676	85.170	.05800	19.74500	-.06300	.00900	8.45400	.00500	.00000	.00000	.00000	.00000
2.676	86.740	-.04100	19.89700	-.04500	.00700	8.32300	-.05600	.00000	.00000	.00000	.00000
2.676	88.410	-.14500	19.83000	-.02800	.00700	8.05400	-.07600	.00000	.00000	.00000	.00000
	GRADIENT	-.02964	.10373	.00089	.00002	.09026	-.00371	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB, (NOSE MOUNTED MODEL) (RGE023) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.
LREF =	3.0000 IN.	YMRP =	.0000 IN.
BREF =	3.0000 IN.	ZMRP =	.0000 IN.
SCALE =	.0211		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	8.000

RUN NO. 20/ 0 RN/L = 2.42 GRADIENT INTERVAL = -3.00/ 5.00

MACH	ALPHA	CA	CAM	CYM	CEL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.001	90.770	.64800	20.31300	.01900	.	4.85800	-.00200	.70035	-.05593	.70843	-.21661
2.001	92.930	.53500	20.23400	.02800	.00500	4.46300	-.01400	.72929	- 12296	.55248	-.23275
2.001	94.530	.44100	20.16000	.02100	-.00300	4.25200	.16300	.67357	-.16952	.46232	-.24714
2.001	96.080	.34600	20.05000	.03400	.00500	3.91400	.02000	.62458	-.20262	.41900	-.25730
2.001	98.020	.22200	19.86200	.03600	.00600	3.54100	.02700	.56006	-.23451	.36664	-.26207
2.001	100.160	.08200	19.67100	.05700	.00700	3.08700	00400	.48111	-.25352	.29737	-.27006
2.001	101.810	-.06100	19.49700	.05600	.00500	2.78200	13800	.39786	-.26789	.21545	-.27552
2.001	103.200	-.21100	19.28200	.07300	.00600	2.58800	500	.31029	-.27467	.14138	-.27976
2.001	104.870	-.33400	19.06300	.08500	.0[illegible]700	2.41800	. 7900	.23949	-.27850	.08794	-.28486
2.001	106.350	-.48600	18.81000	.0[illegible]300	.00400	2.18000	.10400	.16606	-.28021	.03431	-.28869
2.001	110.760	-.72700	18.20400	.07900	.00600	1.80600	.09700	.05836	-.28610	-.03863	-.29543
2.001	111.800	-.84700	17.85200	.07400	.00500	1.65200	.11200	.01801	-.28963	-.06671	-.29853
2.001	113.110	-.96500	17.49300	.07100	.00700	1.45000	.06900	-.01380	-.29126	-.09003	-.30059
2.001	114.460	-1.08600	17.12700	.06900	.00200	1.34900	.13800	-.04297	-.29337	-.11201	-.30270
2.001	115.870	-1.19900	16.77000	.06800	.00700	1.13000	.05900	-.06839	-.29468	-.13152	-.30486
2.001	117.300	-1.31300	16.40600	.06400	.00800	1.03500	.04200	-.09216	-.29543	-.14893	-.30661
2.001	118.700	-1.42400	16.02000	.06200	.00800	.88100	.03100	-.11121	-.29636	-.16458	-.30696
2.001	120.140	-1.53900	15.65500	.04300	.01000	.75200	.02300	-.12946	-.29853	-.17945	-.30912
2.001	121.525	-1.65000	15.26400	.04300	.01000	.52900	-.01600	-.14384	-.29810	-.19172	-.30743
2.001	122.950	-1.76900	14.88700	.[illegible]1700	.00800	.42800	.04700	-.15826	-.29766	-.20274	-.30783
2.001	124.460	-1.88600	14.49900	.03300	.00800	.27700	.07000	-.17098	-.29648	-.21294	-.30706
2.001	125.870	-2.00100	14.07900	.03200	.01200	.08300	.01200	-.18292	-.29645	-.22189	-.30916
2.001	127.790	-2.04300	13.76100	.03900	.00800	-.29200	.05000	-.19133	-.29177	-.22778	-.30957
2.001	129.590	-2.11500	13.35600	.02600	.00800	-.40700	.05600	-.19620	-.25832	-.23078	-.30916
2.001	131.180	-2.16900	12.95900	[illegible]800	.01000	-.48300	-.00700	- 20237	-.25152	-.22949	-.27228
2.001	132.380	-2.20700	12.52500	.04300	.[illegible]4000	-.57200	-.00900	-.20740	-.24723	-.22901	-.24172
2.001	133.250	-2.25400	12.08600	[illegible]3800	.00900	-.44500	-.02400	-.21168	-.23964	-.23032	-.23286
2.001	134.570	-2.32600	11.61600	.03300	.00900	-.47200	-.01000	-.21761	-.23837	-.23456	-.23371
2.001	135.870	-2.38100	11.16000	03900	.01200	-.50500	-.05300	-.22531	-.24226	-.24098	-.24056
	GRADIENT	-.07194	-.21044	-.00026	.00017	-.12300	-.00116	-.02298	-.00210	-.01876	-.00050

LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL) (RGE023) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	8.000

RUN NO. 22/ 0 RN/L = 2.31 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.673	91.090	.48500	19.12800	-.04000	-.00800	4.11700	-.06800	.70207	-.06486	.50893	-.09140
2.673	93.[illegible]	.35700	19.10100	-.02600	-.01100	3.74200	.00500	.61379	-.08261	.44158	-.08363
2.673	95.900	.20900	18.88800	-.02000	-.00900	3.51000	.00300	.50952	-.10159	.33988	-.09190
2.673	98.130	.07500	18.61600	-.03800	-.00900	3.26700	.05400	.41427	-.11381	.25428	-.10106
2.673	100.330	-.07000	18.28100	-.05100	-.00800	3.13300	-.01000	.31988	-.12297	.18182	-.10818
2.673	102.840	-.22400	17.96800	-.02900	-.00900	2.82600	.00400	.23684	-.13015	.11954	-.11587
2.673	104.990	-.37400	17.67500	-.01100	-.01000	2.62700	.02800	.17625	-.13572	.07432	-.12399
2.673	106.660	-.49400	17.43600	-.01800	-.00800	2.44900	-.02000	.14154	-.13733	.05132	-.12713
2.673	108.320	-.61200	17.16300	-.03100	-.00800	2.25800	-.03300	.10753	-.13936	.02695	-.13171
2.673	109.970	-.72800	16.89000	.00200	-.00800	2.07700	.00300	.08028	-.13991	.00587	-.13380
2.673	111.540	-.85000	16.62300	.01400	-.00900	1.93900	.04300	.05502	-.14239	-.01434	-.13780
2.673	113.290	-.97100	16.31700	.02200	-.00600	1.72400	-.04900	.03299	-.14552	-.03280	-.14297
2.673	115.[illegible]	-1.[illegible]	15.97300	.01500	-.00800	1.60700	.01700	.01351	-.14652	-.04966	-.14439
2.673	116.850	-1.33500	15.[illegible]	.01400	-.00800	1.38200	.01200	-.02103	-.14852	-.07457	-.14903
2.673	120.130	-1.44900	15.[illegible]	-.00100	-.01000	1.24000	-.00300	-.03746	-.14966	-.08591	-.15119
2.673	121.040	-1.56000	14.64200	.02000	-.00900	1.09700	.05300	-.05072	-.14961	-.09456	-.15267
2.673	122.890	-1.68000	14.26200	.01300	-.01000	1.00200	.11000	-.06253	-.15072	-.10229	-.15479
2.673	123.510	-1.78200	13.85300	.00800	-.00700	.99600	.03500	-.07364	-.15065	-.10934	-.15575
2.673	124.900	-1.89300	13.45300	.00300	-.00800	1.01500	.08300	-.08176	-.15061	-.11389	-.15724
2.673	126.320	-2.00100	13.02800	.01300	-.00800	.94300	.10000	-.09044	-.15263	-.11847	-.15772
2.673	127.700	-2.10800	12.62700	.01000	-.00600	.95000	.01900	-.09808	-.15366	-.12256	-.15927
2.673	129.130	-2.20400	12.17600	.00300	-.01100	.84000	.09700	-.10485	-.15379	-.12575	-.16041
2.673	130.480	-2.30900	11.77400	-.00300	-.01100	.82200	.08400	-.10985	-.15266	-.12768	-.15980
2.673	132.730	-2.31600	11.42500	.01100	-.00700	.42900	.04700	-.11606	-.15378	- 13135	-.16041
2.673	134.640	-2.31100	11.05000	-.03300	-.00730	.20300	.06000	-.12013	-.15173	-.13185	-.15785
2.673	135.360	-2.35700	10.58800	.01200	-.00700	-.01600	.07100	-.12316	-.14763	-.13234	-.15477
2.673	136.430	-2.37000	10.15500	.00600	-.00800	.01700	.05100	-.12415	-.14046	-.13180	-.14913
2.673	137.750	-2.42100	9.70800	.00600	-.00800	.02100	.06400	-.12769	-.13687	-.13330	-.14604
2.673	139.170	-2.45600	9.27200	.01300	-.00900	.08700	.07300	-.12928	-.13488	-.13335	-.14558
2.673	140.500	-2.50200	8.78700	.02200	-.00700	.06300	.05900	-.13393	-.13648	-.13750	-.14769
	GRADIENT	-.06560	-.21666	.00096	.00002	-.08149	.00201	-.01451	-.00101	-.01083	-.00135

LEWIS T-035 S4GF 142-IN SRB, (NOSE MOUNTED MODEL) (RGE024) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = .000
ALPROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = .000 ENGSTK = 8.000

RUN NO. 20/ 1 RN/L = 2.42 GRADIENT INTERVAL = -5.00/ 1.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.001	137.260	-2.43300	10.71100	.02700	.01000	-.46100	-.02300	-.22947	-.24388	-.24643	-.24988
2.001	138.700	-2.47000	10.22100	.03100	.00900	-.52900	.00100	-.23120	-.24306	-.24687	-.25535
2.001	142.240	-2.60400	9.22200	.01500	.00900	-.47400	.05100	-.23284	-.23454	-.23920	-.25572
2.001	143.000	-2.72000	8.69900	.01600	.01000	-.50800	-.00700	-.23579	-.23452	-.23664	-.25147
2.001	144.400	-2.92500	8.25100	-.00600	.00900	-.21400	.11100	-.23712	-.23670	-.23881	-.25195
2.001	145.960	-2.93000	7.73200	.00800	.01100	-.37400	.06700	-.23666	-.23370	-.23666	-.24429
2.001	147.450	-2.91000	7.29900	.00400	.01000	-.55300	.03900	-.23674	-.23335	-.23589	-.23970
2.001	148.870	-2.89500	6.83400	.00300	.00900	-.66500	.05200	-.23332	-.22951	-.23163	-.23290
2.001	150.160	-2.87300	6.35700	-.00400	.01000	-.87500	.01700	-.23035	-.22569	-.22739	-.22823
2.001	151.600	-2.84100	5.85500	.00600	.01000	-1.02200	.03900	-.22614	-.22233	-.22275	-.22360
2.001	153.040	-2.81800	5.36200	.01700	.01100	-1.26500	.03400	-.22021	-.21683	-.21725	-.21767
2.001	154.590	-2.80900	4.89600	.02300	.01000	-1.33000	.04600	-.21549	-.21253	-.21338	-.21422
2.001	155.980	-2.80000	4.44000	.01800	.01300	-1.39000	-.05600	-.21173	-.20791	-.20918	-.21300
2.001	157.570	-2.78100	3.96100	.02900	.01100	-1.38700	-.07600	-.20749	-.20368	-.20495	-.20876
2.001	158.960	-2.75600	3.490	.02600	.01000	-1.51700	-.10100	-.20364	-.19898	-.20067	-.20449
2.001	160.440	-2.71900	3.03500	.04900	.00900	-1.62500	.01300	-.20035	-.19485	-.19697	-.20120
2.001	162.050	-2.67500	2.58800	.09200	.01300	-1.70100	-.05700	-.19732	-.18928	-.19182	-.19902
2.001	163.650	-2.64200	2.15400	.11800	.01100	-1.72800	.07200	-.19348	-.18416	-.18628	-.19602
2.001	165.160	-2.59300	1.70700	.11900	.01200	-1.79500	.10200	-.18589	-.17615	-.17827	-.18716
2.001	166.790	-2.58600	1.33000	.12100	.01200	-1.80000	.14500	-.17362	-.16473	-.16727	-.17278
2.001	168.370	-2.55100	.99200	.06600	.01100	-1.35700	.07800	-.16051	-.15416	-.15586	-.15967
2.001	169.940	-2.52400	.72100	.02500	.01300	-1.19900	.00800	-.14521	-.14055	-.14267	-.14436
2.001	171.560	-2.47100	.51300	.02400	.01100	-.98800	.10300	-.12449	-.12322	-.12661	-.12619
2.001	173.190	-2.42500	.36300	.02100	.01300	-.81200	.01100	-.10534	-.10703	-.11042	-.10915
2.001	174.820	-2.37300	.25700	-.00600	.01500	-.63200	-.03700	-.08988	-.09496	-.09665	-.09707
2.001	176.550	-2.31300	.16300	.00700	.01300	-.40800	-.00900	-.08168	-.08718	-.08803	-.08760
2.001	178.200	-2.20300	.10300	.00900	.01100	-.28400	.07400	-.07939	-.08379	-.08379	-.08379
2.001	178.950	-2.18400	.06100	-.00100	.01100	-.18900	-.00700	-.08137	-.08264	-.08307	-.08307
2.001	179.850	-2.17400	.03900	-.00800	.01300	-.05000	-.03700	-.08164	-.08249	-.08291	-.08334
2.001	180.740	-2.18000	-.00100	-.01000	.01200	.11300	-.00100	-.08135	-.08207	-.08207	-.08292
2.001	181.610	-2.19700	-.04900	-.00100	.01200	.17600	-.00800	-.08097	-.08172	-.08172	-.08257
2.001	182.470	-2.27900	-.07500	.00200	.01400	.26100	.00500	-.08136	-.08263	-.08347	-.08347
2.001	183.400	-2.33600	-.11600	-.00600	.01000	.33800	.03200	-.08224	-.08347	-.08555	-.08473
2.001	184.310	-2.34800	-.15100	.00500	.01300	.49000	.03300	-.08685	-.08685	-.08965	-.08887
2.001	185.240	-2.38100	-.19800	.00900	.0140	.57600	-.01901	-.09177	-.09220	-.09401	-.09389
2.001	186.093	-2.39200	-.23200	.00800	.01400	-.66600	-.01400	-.09816	-.09858	-.10239	-.09985
	GRADIENT	.01255	-.22494	-.00126	.00008	.01706	-.00032	.00404	.00404	.00406	.00427

LEWIS T-035 SA6F 142-IN SRB, (NOSE MOUNTED MODEL) (R6E024) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	8.000

RUN NO. 82/ 1 RN/L = 2.31 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CMM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.673	141.940	-2.53300	8.32100	.01400	-.	.04800	.09700	-.13544	-.13648	-.13850	-.14767
2.673	142.319	-2.52400	8.20200	.00400	-.01200	.08100	.17900	-.13589	-.13691	-.13793	-.14508
2.673	143.210	-2.53400	7.71700	.00300	-.	.05300	.04900	-.13693	-.13642	-.13846	-.14457
2.673	144.820	-2.54300	7.24800	-.01100	-.00900	-.	.03800	-.13689	-.13486	-.13791	-.14148
2.673	147.490	-2.57000	6.81100	.00000	-.00700	-.01700	.02600	-.13945	-.13537	-.13943	-.14199
2.673	148.360	-2.55000	6.35400	.00900	-.00900	-.04100	.06300	-.13840	-.13483	-.13789	-.14044
2.673	149.550	-2.93400	5.90700	.00500	-.00800	.42900	.02200	-.13840	-.13432	-.13789	-.13891
2.673	150.810	-2.93600	5.47100	.01500	-.01000	.39700	.08100	-.13937	-.13427	-.13737	-.13836
2.673	152.240	-2.91600	5.03600	-.00300	-.00900	.29400	-.05900	-.13829	-.13319	-.13	-.13576
2.673	153.660	-2.87700	4.61800	.01600	-.01000	.20600	.01400	-.13723	-.13213	-.13519	-.13572
2.673	155.070	-2.83600	4.23500	.00600	-.00500	.09600	-.01100	-.13618	-.13160	-.13465	-.13465
2.673	156.561	-2.79700	3.80900	.01800	-.00500	-.01200	-.06800	-.13573	-.13114	-.13369	-.13420
2.673	157.97	-2.75300	3.42500	.04000	-.01000	-.08300	.03000	-.13425	-.12915	-.13221	-.13321
2.673	159.420	-2.66900	3.06100	.04700	-.00900	-.24900	.02900	-.13040	-.12836	-.12938	-.12989
2.673	161.010	-2.61000	2.68000	.04100	-.01000	-.41000	.07400	-.12989	-.12683	-.12836	-.12989
2.673	162.530	-2.57200	2.32200	.05900	-.00400	-.45300	.01400	-.12782	-.12527	-.12731	-.12833
2.673	164.050	-2.53500	1.94200	.04500	-.00700	-.53000	-.00600	-.12680	-.12374	-.12680	-.12782
2.673	165.610	-2.49400	1.59500	.05400	-.00600	-.58900	-.08700	-.11856	-.12162	-.12468	-.12672
2.673	167.160	-2.47000	1.45100	.05000	-.00800	-.64000	.07200	-.11594	-.12002	-.12258	-.12462
2.673	168.720	-2.44400	.81600	.05200	-.00900	-.77600	.10200	-.10989	-.11703	-.12009	-.12111
2.673	170.340	-2.44600	.63500	.05700	-.00600	-.71800	-.02500	-.10370	-.11135	-.11543	-.11543
2.673	171.900	-2.40400	.44900	.04800	-.00300	-.68400	-.03700	-.09709	-.10474	-.10882	-.10882
2.673	173.540	-2.36500	.29700	.05000	-.01000	-.53000	.12800	-.08834	-.09395	-.09854	-.09854
2.673	175.140	-2.31100	.20300	.04500	-.00800	-.45000	.04800	-.07871	-.08330	-.08790	-.08739
2.673	176.790	-2.25300	.13000	.04400	-.00500	-.36300	-.03400	-.06537	-.07302	-.07660	-.07609
2.673	178.510	-2.17000	.06600	.05600	-.00500	-.21000	.04800	-.05923	-.06739	-.07045	-.07045
2.673	180.220	-2.15400	-.00100	.04700	-.00500	-.02900	.03800	-.06025	-.06586	-.06739	-.06791
2.673	180.930	-2.15900	-.03200	.03600	-.00200	.06100	-.11400	-.06329	-.06533	-.06737	-.06737
2.673	182.560	-2.22600	-.08800	.04700	-.00300	.28800	-.03600	-.06332	-.06842	-.06993	-.06944
2.673	184.470	-2.30500	-.16000	.04200	-.00100	.36200	-.04200	-.07051	-.07510	-.07561	-.07561
2.673	185.960	-2.34300	-.24700	.05900	.00000	.45200	-.12600	-.08174	-.08378	-.08429	-.08429
	GRADIENT	.01240	-.20374	.00131	.00015	-.00559	-.00218	.00198	.00174	.00175	.00187

LEWIS T-033 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE025) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	22.500
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	8.000

RUN NO. 36/ 0 RN/L = 2.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNN	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	-5.010	1.15700	-.54400	-.00100	-.00300	-.92200	-.11100	.00000	.	.	.00000
2.004	-4.850	1.14100	-.43600	-.00600	-.00100	-.72300	-.01700	.00000	.	.00000	.00000
2.004	-3.940	1.12600	-.36400	-.01200	.00000	-.58200	-.04900	.00000	.00000	.00000	.
2.004	-3.070	1.10800	-.28100	-.01000	.00000	-.37800	- 03900	.00000	.00000	.00000	.00000
2.004	-2.100	1.09200	-.19400	-.02200	.00200	-.20000	-.01000	.00000	.00000	.00000	.00000
2.004	-1.270	1.08500	-.11400	-.02500	.00200	-.13900	.00600	.00000	.00000	.00000	.00000
2.004	-.360	1.07900	-.03800	-.02400	.00000	-.04300	-.05000	.00000	.00000	.00000	.00000
2.004	.450	1.08200	.02700	-.02100	.00100	-.05900	-.04700	.00000	.00000	.00000	.00000
2.004	1.330	1.08800	.11500	-.02800	.00100	.06500	-.04700	.00000	.00000	.00000	.00000
2.004	2.193	1.09.00	.22200	-.01700	.00200	.12200	-.12500	.00000	.00000	.00000	.00000
2.004	3.010	1.10100	.27300	-.02200	.00100	.23900	-.01800	.00000	.00000	.00000	.00000
2.004	3.840	1.11900	.33500	-.02000	-.00100	.37700	-.08500	.00000	.00000	.00000	.00000
2.004	4.720	1.13300	.42000	-.02000	-.00100	.59000	-.07100	.00000	.00000	.00000	.00000
2.004	5.580	1.14600	.50100	-.02600	.00200	.74500	-.09100	.00000	.00000	.00000	.00000
2.004	6.370	1.15700	.59500	-.01500	-.00100	.93200	-.09400	.00000	.00000	.00000	.00000
2.004	7.180	1.16700	.69200	-.03600	.00100	1.09600	-.06900	.00000	.00000	.00000	.00000
2.004	8.010	1.17300	.77300	-.03000	.00000	1.31200	-.07300	.00000	.00000	.00000	.00000
2.004	8.860	1.18100	.89300	-.04400	.00200	1.50800	-.01300	.00000	.00000	.00000	.00000
2.004	9.610	1.18400	1.00000	-.04500	.00200	1.70800	-.04600	.00000	.00000	.00000	.00000
2.004	10.440	1.18100	1.13000	-.03800	.00000	1.98500	-.07000	.00000	.00000	.00000	.00000
2.004	12.110	1.17200	1.46500	-.03100	.00200	2.59700	.00000	.00000	.00000	.00000	.00000
2.004	13.790	1.15900	1.84100	-.03600	.00000	3.19500	-.03000	.00000	.00000	.00000	.00000
2.004	15.540	1.17400	2.25000	- 05700	-.00100	3.74200	-.08900	.00000	.00000	.00000	.00000
2.004	16.560	1.17700	2.61300	-.09200	.00300	4.1.900	-.03400	.00000	.00000	.00000	.00000
2.004	18.140	1.17600	3.08600	-.08200	.00200	4.45500	-.02300	.00000	.00000	.00000	.00000
2.004	19.610	1.17600	3.57600	-.09200	.00200	4.60800	-.07600	.00000	.00000	.00000	.00000
2.004	21.110	1.17600	4.07100	-.08600	.00300	4.79600	-.06300	.00000	.00000	.00000	.00000
2.004	22.630	1.17700	4.60000	-.06000	.00300	4.88600	-.07400	.00000	.00000	.00000	.00000
2.004	24.050	1.18500	5.10300	-.05800	.00400	4.94700	-.13000	.00000	.00000	.00000	.00000
2.004	25.550	1.19100	5.63900	-.07300	.00300	5.00300	-.05500	.00000	.00000	.00000	.00000
2.004	26.950	1.20300	6.14900	-.05000	.00400	5.06400	-.04700	.00000	.00000	.00000	.00000
2.004	28.390	1.22600	6.65600	-.08100	.00600	5.15000	-.00900	.00000	.00000	.00000	.00000
2.004	29.830	1.20900	7.18300	-.05200	.00400	5.26100	-.06100	.00000	.00000	.00000	.00000
2.004	31.250	1.21400	7.69700	-.05100	.00000	5.34400	-.12500	.00000	.00000	.00000	.00000
2.004	32.650	1.22500	8.22100	-.07400	.00400	5.32500	.05500	.00000	.00000	.00000	.00000
2.004	34.100	1.22900	8.75300	-.05100	-.00100	5.35700	-.11700	.00000	.00000	.00000	.00000
2.004	35.440	1.23700	9.28800	-.05400	-.00100	5.35100	-.08500	.00000	.00000	.00000	.00000
2.004	36.900	1.24700	9.87300	-.03800	.00400	5.25800	.03400	.00000	.00000	.00000	.00000
2.004	38.300	1.25700	10.32600	-.05300	.00500	5.52700	.04300	.00000	.00000	.00000	.00000
2.004	39.770	1.26700	10.85000	-.05600	.00400	5.73400	.01300	.00000	.00000	.00000	.00000
	GRADIENT	-.00097	.28943	-.00120	-.00008	.11953	-.00596	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE025) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	80.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	22.500
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	8.000

RUN NO. 43/ 0 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.674	-5.820	.84300	-.55800	-.03500	-.00400	-1.00100	.03700	.00000	.00000	.00000	.00000
2.674	-4.520	.82700	-.42000	-.03600	.00100	-.71400	.15800	.00000	.00000	.00000	.00000
2.674	-2.670	.83800	-.24200	-.02800	-.00100	-.28900	.04900	.00000	.00000	.00000	.00000
2.674	-.930	.79800	-.08500	-.03500	-.00400	-.04600	-.05300	.00000	.00000	.00000	.00000
2.674	.790	.79500	.06200	-.03500	-.00400	.15200	.02500	.00000	.00000	.00000	.00000
2.674	2.470	.80600	.20700	-.01900	-.00500	.34900	-.05900	.00000	.00000	.00000	.00000
2.674	4.170	.81800	.38600	-.02300	-.00100	.72200	.02300	.00000	.00000	.00000	.00000
2.674	5.840	.83100	.54500	-.02200	-.00300	1.14500	.01000	.00000	.00000	.00000	.00000
2.674	7.450	.84500	.75100	-.03500	.00100	1.52000	.10800	.00000	.00000	.00000	.00000
2.674	9.080	.85500	1.03200	-.04500	.01100	1.98000	.14200	.00000	.00000	.00000	.00000
2.674	10.670	.85900	1.31400	-.04400	-.00200	2.39900	.04600	.00000	.00000	.00000	.00000
2.674	12.260	.85500	1.69000	-.05900	-.00300	2.75400	-.06600	.00000	.00000	.00000	.00000
2.674	13.790	.85100	2.08900	-.05800	.00100	2.87700	.05900	.00000	.00000	.00000	.00000
2.674	15.380	.85900	2.51500	-.05700	.00100	3.03100	.05400	.00000	.00000	.00000	.00000
2.674	16.880	.88000	2.92700	-.04800	-.00100	3.08700	-.03600	.00000	.00000	.00000	.00000
2.674	18.400	.89300	3.34000	-.03500	.00000	3.22300	-.03400	.00000	.00000	.00000	.00000
2.674	19.860	.90900	3.76500	-.05200	.00000	3.31100	-.04100	.00000	.00000	.00000	.00000
2.674	21.380	.91600	4.19600	-.03600	-.00100	3.48800	-.05800	.00000	.00000	.00000	.00000
2.674	22.810	.93500	4.61300	-.03000	.00000	3.48000	.07300	.00000	.00000	.00000	.00000
2.674	24.230	.95800	5.04500	-.02300	-.00100	3.49700	-.01300	.00000	.00000	.00000	.00000
2.674	25.720	.96800	5.54800	-.03100	-.00500	3.64000	-.06300	.00000	.00000	.00000	.00000
2.674	27.100	.99200	5.95500	-.05100	-.00400	3.59600	-.11100	.00000	.00000	.00000	.00000
2.674	28.530	1.00500	6.46700	-.03400	.00000	3.71400	.11700	.00000	.00000	.00000	.00000
2.674	29.930	1.03000	6.92600	-.04200	.00200	3.62900	.11100	.00000	.00000	.00000	.00000
2.674	31.350	1.04700	7.38500	-.04800	.00200	3.77200	.07500	.00000	.00000	.00000	.00000
2.674	32.730	1.06300	7.88400	-.04800	.00200	3.86300	.01600	.00000	.00000	.00000	.00000
2.674	34.140	1.08300	8.32600	-.06100	-.00100	4.00500	-.05100	.00000	.00000	.00000	.00000
2.674	35.500	1.10500	8.79400	-.06700	.00500	4.05400	.06800	.00000	.00000	.00000	.00000
2.674	36.900	1.12500	9.25200	-.02700	-.00100	4.13400	-.03400	.00000	.00000	.00000	.00000
2.674	38.300	1.13100	9.71800	-.05300	-.00200	4.36800	-.08600	.00000	.00000	.00000	.00000
2.674	39.680	1.14400	10.17000	-.06600	.00100	4.42800	.03200	.00000	.00000	.00000	.00000
	GRADIENT	-.00095	.09117	.00151	-.00037	.15354	-.01543	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB, (TAIL MOUNTED MODEL) (RGE026) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 22.500
ALPROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = .000 ENGSTK = 8.000

RUN NO 36/ 1 RN/L = 2.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CYM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	41.130	1.26500	11.28600	-.07100	.00400	5.89600	-.11500	.00000	.00000	.	.00000
2.004	42.520	1.26700	11.78500	-.07400	.00500	5.99800	-.09200	.00000	.00000	.00000	.00000
2.004	43.920	1.26600	12.27500	-.05000	.00400	6.21500	-.19100	.00000	.00000	.00000	.00000
2.004	45.330	1.26600	12.74800	-.08000	.00600	6.41400	-.11000	.00000	.00000	.00000	.00000
2.004	46.770	1.26300	13.25800	-.07900	.00600	6.61900	-.11900	.00000	.00000	.00000	.00000
2.004	48.240	1.25200	13.71700	-.07400	.00500	6.91600	-.12100	.00000	.00000	.00000	.00000
2.004	49.530	1.24700	14.16100	-.07800	.00600	7.06800	-.10600	.00000	.00000	.00000	.00000
2.004	50.980	1.23800	14.61700	-.07400	.00600	7.31400	-.12400	.00000	.00000	.00000	.00000
2.004	52.380	1.22200	15.01200	-.07200	.00500	7.64100	-.11200	.00000	.00000	.00000	.00000
2.004	53.570	1.21100	15.33900	-.07500	.00800	7.89100	-.11600	.00000	.00000	.00000	.00000
2.004	55.080	1.18900	15.74500	-.07600	.00700	8.22300	-.13000	.00000	.00000	.00000	.00000
2.004	56.410	1.17000	16.13000	-.07100	.00800	8.45700	-.15600	.00000	.00000	.00000	.00000
2.004	57.860	1.14400	16.51800	-.06200	.00900	8.67600	-.12800	.00000	.00000	.00000	.00000
2.004	59.160	1.10600	16.87900	-.07800	.00900	8.95600	-.13600	.00000	.00000	.00000	.00000
2.004	60.830	1.06000	17.22700	-.06200	.00900	9.19300	-.12900	.00000	.00000	.00000	.00000
2.004	62.390	1.00800	17.57500	-.05600	.00900	9.35000	-.12200	.00000	.00000	.00000	.00000
2.004	63.900	.95700	17.92400	-.07200	.01000	9.50900	-.08300	.00000	.00000	.00000	.00000
2.004	65.400	.90000	18.27700	-.06700	.01000	9.59600	-.10600	.00000	.00000	.00000	.00000
2.004	66.880	.84400	18.63500	-.07700	.01000	9.69400	-.14000	.00000	.00000	.00000	.00000
2.004	68.500	.77800	18.94000	-.06600	.00900	9.69700	-.12000	.00000	.00000	.00000	.00000
2.004	70.090	.70600	19.23000	-.07900	.00900	9.80100	-.18400	.00000	.00000	.00000	.00000
2.004	71.690	.63100	19.50600	-.06800	.01100	9.72400	-.17700	.00000	.00000	.00000	.00000
2.004	73.260	.54800	19.78400	-.07500	.01300	9.66300	-.11400	.00000	.00000	.00000	.00000
2.004	74.900	.45500	20.02100	-.07700	.01300	9.62400	-.15700	.00000	.00000	.00000	.00000
2.004	76.760	.34200	20.27700	-.10900	.01400	9.44900	.00000	.00000	.00000	.00000	.00000
2.004	78.730	.19700	20.53400	-.08300	.01500	9.21500	-.08300	.00000	.00000	.00000	.00000
2.004	80.740	.04500	20.72900	-.04700	.01600	8.93100	-.15000	.00000	.00000	.00000	.00000
2.004	82.440	-.09600	20.88600	-.06100	.01500	8.59000	-.10900	.00000	.00000	.00000	.00000
2.004	84.290	-.22400	21.03300	-.05000	.01700	8.20800	-.19600	.00000	.00000	.00000	.00000
2.004	85.910	-.32700	21.12800	-.03700	.01600	7.81100	-.15200	.00000	.00000	.00000	.00000
2.004	87.420	-.41600	21.15400	-.03900	.01700	7.64500	-.10700	.00000	.00000	.00000	.00000
2.004	89.130	-.50800	21.17000	-.04200	.01500	7.33700	-.02900	.00000	.00000	.00000	.00000
	GRADIENT	-.03755	.21098	.00039	.00027	.04845	.00035	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE026) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	22.500
A_PROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELEVON =	.000	ENGSTK =	8.000

RUN NO. 43/ 1 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYMM	CPB1	CPB2	CPB3	CPB4
2.674	41.340	1.15700	10.63300	-.07900	.00100	4.70700	.01100	.00000	.00000	.00000	.00000
2.674	42.460	1.16300	11.09800	-.07800	.00300	4.86800	.03100	.00000	.00000	.00000	.00000
2.674	43.940	1.16500	11.65400	-.07700	.00200	5.06000	-.00300	.00000	.00000	.00000	.00000
2.674	45.230	1.17800	12.02800	- 08900	.00200	5.14200	.05900	.00000	.00000	.00000	.00000
2.674	46.620	1.19200	12.47900	-.09400	.00000	5.27600	-.03600	.00000	.00000	.00000	.00000
2.674	48.010	1.20500	12.94300	-.09800	.00100	5.43600	-.02900	.00000	.00000	.00000	.00000
2.674	49.410	1.21600	13.36300	-.09500	.00200	5.63100	.01800	.00000	.00000	.00000	.00000
2.674	50.840	1.21500	13.79800	-.09470	.00400	5.86200	.01000	.00000	.00000	.00000	.00000
2.674	52.250	1.20300	14.22300	-.10920	.00500	6.10400	-.01400	.00000	.00000	.00000	.00000
2.674	53.660	1.19200	14.68900	-.09100	.00300	6.39500	-.03700	.00000	.00000	.00000	.00000
2.674	55.070	1.17900	14.98300	- 08600	.00400	6.63200	-.10000	.00000	.00000	.00000	.00000
2.674	56.540	1.16500	15.36400	- 10100	.00600	6.91000	-.03600	.00000	.00000	.00000	.00000
2.674	57.990	1.12600	15.71200	-.11300	.00900	7.29100	-.09600	.00000	.00000	.00000	.00000
2.674	59.450	1.09300	16.00000	-.12300	.01100	7.59900	-.11000	.00000	.00000	.00000	.00000
2.674	60.920	1.05800	16.36400	-.12300	.01700	7.89200	- 12700	.00000	.00000	.00000	.00000
2.674	62.390	1.01000	16.66800	-.12200	.00800	8.09900	- 13800	.00000	.00000	.00000	.00000
2.674	63.910	.95700	16.90800	-.10000	.00700	8.27500	- 13800	.00000	.00000	.00000	.00000
2.674	65.430	.90300	17.22200	- 11800	.00500	8.35300	- 11700	.00000	.00000	.00000	.00000
2.674	66.950	.84200	17.49500	- 10000	.00800	8.42000	-.13100	.00000	.00000	.00000	.00000
2.674	68.490	.78000	17.75800	- 04800	.00800	8.50500	-.21000	.00000	.00000	.00000	.00000
2.674	70.060	.72300	18.01500	- 10900	.00900	8.56500	-.17000	.00000	.00000	.00000	.00000
2.674	71.330	.67500	18.20000	- 09600	.00900	8.57100	-.22100	.00000	.00000	.00000	.00000
2.674	72.900	.61200	18.43200	-.10100	.00900	8.52900	-.19100	.00000	.00000	.00000	.00000
2.674	74.610	.55400	18.67000	- 10700	.01000	8.42200	-.11400	.00000	.00000	.00000	.00000
2.674	76.110	.47500	18.85600	-.08200	.01000	8.26000	-.19000	.00000	.00000	.00000	.00000
2.674	78.020	.38600	19.06400	-.05600	.01000	8.16200	-.17600	.00000	.00000	.00000	.00000
2.674	79.830	.29700	19.28000	- 02200	.01300	8.09300	-.13200	.00000	.00000	.00000	.00000
2.674	81.390	.20700	19.48100	-.03500	.01500	8.06000	-.05500	.00000	.00000	.00000	.00000
2.674	83.140	.09900	19.69900	-.03500	.01300	8.01600	-.16800	.00000	.00000	.00000	.00000
2.674	84.730	.00300	19.84400	- 06700	.01400	7.86700	- 11300	.00000	.00000	.00000	.00000
2.674	86.380	-.10600	19.93400	- 05400	.01600	7.70200	- 17800	.00000	.00000	.00000	.00000
2.674	88.340	- 21300	19.95800	-.06700	.01400	7.38900	-.09500	.00000	.00000	.00000	.00000
	GRADIENT	-.02933	19872	.00079	00030	.07512	-.00387	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED) (RGED87) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.6340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	22.500
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	8.000

RUN NO. 18/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.001	90.840	.61800	20.76400	.03800	-.01000	3.96300	.07600	.76143	-.09085	.69459	-.21886
2.001	92.870	.51400	20.69200	.06700	-.01100	3.64200	.04300	.71099	-.14964	.55413	-.23281
2.001	94.600	.41200	20.60800	.08400	-.01100	3.46000	.08700	.65181	-.19152	.46[illegible]53	-.24317
2.001	96.210	.31100	20.45900	.08100	-.01000	3.16700	.05800	.59757	-.21932	.41907	-.25134
2.001	97.770	.19900	20.30500	.06900	-.01000	2.88600	.09700	.54032	-.23938	.37121	-.25432
2.001	99.640	.07200	20.11100	.10200	-.00700	2.51500	.10500	.46857	-.25434	.30278	-.25582
2.001	101.180	-.07200	19.95300	.09900	-.00800	2.19700	.10800	.39620	-.26458	.22866	-.26116
2.001	103.100	-.23200	19.70700	.10400	-.00900	2.00600	.14300	.29766	-.27359	.14416	-.26932
2.001	105.100	-.35100	19.43100	.09800	-.00700	1.79100	.11500	.22080	-.27613	.08437	-.27613
2.001	107.410	-.46000	19.20200	.08900	-.00900	1.60100	.[illegible]5200	.16050	-.27616	.03945	-.27957
2.001	108.750	-.59900	18.85900	.10600	-.00700	1.37600	.21100	.09723	-.27864	-.00598	-.28291
2.001	110.560	-.71700	18.55500	.09800	-.00800	1.18600	.16400	.[illegible]7231	-.28169	-.03809	-.28681
2.001	112.300	-.83300	18.22100	.08600	-.00700	1.05000	.16100	.01515	-.28473	-.06587	-.29070
2.001	114.190	-1.04000	17.54400	.07900	-.00800	.65800	.11300	-.03713	-.28807	-.10710	-.29533
2.001	115.540	-1.15200	17.18500	.09500	-.00600	.52500	.02500	-.05990	-.28811	-.12557	-.29749
2.001	116.910	-1.26200	16.77200	.09300	-.00800	.[illegible]7000	.05300	-.08112	-.29022	-.14341	-.29961
2.001	118.750	-1.39900	16.33600	.07900	-.00600	.24400	-.00100	-.10253	-.29194	-.16267	-.30133
2.001	120.220	-1.51500	15.95700	.06400	-.00400	.14600	-.04100	-.11864	-.29234	-.17710	-.30174
2.001	121.680	-1.63300	15.57700	.06700	-.00400	.08800	.02400	-.13279	-.29237	-.18998	-.30133
2.001	123.120	-1.75200	15.19400	.06300	-.00400	.00400	-.01900	-.14686	-.29279	-.20190	-.30261
2.001	124.590	-1.87700	14.78600	.06000	-.00200	-.07600	.01300	-.15878	-.29236	-.21212	-.30260
2.001	126.010	-2.00300	14.38600	.05800	.00100	-.16700	-.06000	-.16950	-.28941	-.22113	-.30393
2.001	128.830	-2.04700	14.06600	.04700	-.00100	-.51600	-.02900	-.17717	-.28127	-.22580	-.30431
2.001	130.620	-2.11500	13.65400	.04300	-.00300	-.65100	.02700	-.18058	-.26676	-.22495	-.27444
2.001	131.700	-2.16900	13.21000	.04200	-.00300	-.69800	.04300	-.18523	-.25435	-.22448	-.24411
2.001	132.280	-2.20400	12.76300	.02700	-.00200	-.70200	-.00700	-.19174	-.24464	-.22587	-.23227
2.001	133.690	-2.26100	12.31300	.03500	-.00300	-.63700	.04800	-.19513	-.23650	-.22840	-.23010
2.001	134.710	-2.31700	11.85100	.05100	-.00100	-.64800	.05100	-.20140	-.23810	-.23384	-.23512
	GRADIENT	-.07086	-.20911	-.00107	.00022	-.10621	-.00267	-.02223	-.00177	-.01895	-.00056

LEWIS T-035 SA6F 142-IN SRB, (NOSE MOUNTED MODEL) (RGE027) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	22.500
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	8.000

RUN NO. 19/ 0 RN/L = 2.36 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.677	91.210	.31900	19.36900	.10200	-.00900	3.41800	-.03200	.67727	-.05101	.45788	-.11811
2.677	93.410	.40700	19.28000	.10900	-.00800	3.13600	-.01500	.60398	-.08225	.42177	-.11358
2.677	95.280	.29300	19.12600	.11500	-.00500	2.96600	-.07800	.52322	-.10126	.36449	-.11562
2.677	98.880	.19300	18.94500	.09400	-.00600	2.89600	-.07300	.45183	-.11200	.29813	-.11815
2.677	98.540	.09100	18.68900	.10800	-.00500	2.80600	-.04000	.38035	-.11860	.23339	-.12373
2.677	100.100	-.00800	18.43700	.11300	-.00700	2.77300	-.02500	.31794	-.12480	.18117	-.12993
2.677	101.720	-.10900	18.21000	.12400	-.00600	2.64100	-.05800	26006	-.13092	.13660	-.13502
2.677	103.720	-.23600	17.94800	.10800	-.00900	2.44500	-.07200	.19968	-.13501	.09566	-.13911
2.677	106.890	-.44800	17.50000	.13100	-.00800	2.09500	-.11300	.12953	-.14214	.04907	-.14727
2.677	108.570	-.56300	17.21400	.13900	-.00900	1.87600	-.09600	.09886	-.14265	.02914	-.14880
2.677	110.270	-.68300	16.93000	.13800	-.01000	1.69000	-.07100	.07476	-.14322	.01015	-.15040
2.677	111.950	-.80800	16.65000	.12900	-.00900	1.58300	-.06300	.05263	-.14265	-.00784	-.15034
2.677	113.650	-.93000	16.35300	.11800	-.00500	1.42200	-.10600	.03331	-.14362	-.02463	-.15080
2.677	114.930	-1.04900	16.03600	.10800	-.00500	1.30900	-.10800	.01636	-.14412	-.04054	-.15386
2.677	116.970	-1.18400	15.71700	.12900	-.00300	1.26200	-.14300	-.00161	-.14674	-.05699	-.15495
2.677	118.520	-1.31100	15.34800	.12300	-.00400	1.15000	-.09100	-.01700	-.14725	-.06930	-.15546
2.677	119.790	-1.43900	14.98200	.10700	-.00500	1.08000	-.09800	-.03136	-.14772	-.08057	-.15644
2.677	121.140	-1.56600	14.61100	.11000	-.00600	1.00600	-.02600	-.04313	-.14823	-.08978	-.15695
2.677	122.250	-1.68900	14.24000	.10200	-.00400	.97800	-.10000	-.05324	-.14761	-.09632	-.15632
2.677	123.770	-1.80800	13.83600	.09900	-.00500	.96200	-.06800	-.06416	-.14877	-.10518	-.15902
2.677	125.220	-1.92000	13.43100	.09600	-.00600	.92200	-.01400	-.07292	-.14829	-.11137	-.15957
2.677	126.600	-2.02300	13.02800	.09400	-.00500	.91900	-.03700	-.08058	-.14825	-.11647	-.16056
2.677	127.960	-2.11800	12.61400	.10100	-.00500	.87200	-.03500	-.08780	-.14831	-.12113	-.16113
2.677	129.470	-2.21100	12.19900	.10300	-.00900	.82300	.07600	-.09387	-.14875	-.12465	-.16055
2.677	130.830	-2.30500	11.75800	.07200	-.00800	.60300	.08300	-.10001	-.15025	-.12820	-.16102
2.677	132.470	-2.28300	11.41800	.07500	-.00700	.25000	.03700	-.10410	-.15025	-.13076	-.16102
2.677	133.990	-2.28500	11.01400	.04900	-.00500	-.06800	-.01000	-.10719	-.14667	-.13180	-.16000
2.677	135.250	-2.31200	10.59300	.04500	-.00700	-.10800	.06400	-.10875	-.14207	-.13182	-.15642
2.677	136.650	-2.35100	10.15200	.04400	-.00700	-.14200	.07900	-.11084	-.13545	-.13186	-.15083
2.677	138.060	-2.39800	9.71000	.02900	-.00700	-.13000	.05500	-.11183	-.13131	-.13233	-.14720
2.677	139.440	-2.44000	9.24500	.03900	-.00700	-.15500	.05900	-.11286	-.13080	-.13336	-.14720
2.677	140.790	-2.47500	8.74600	.04700	-.00600	-.22800	.06800	-.11384	-.13076	-.13435	-.14665
	GRADIENT	-.06661	-.21894	-.00148	.00002	-.07264	.00268	-.01413	-.00090	-.01077	-.00079

LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL) (RGE028) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	22.500
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	8.000

RUN NO. 18/ 1 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.70

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.001	136.010	-2.37000	11.56600	.02000	.00100	-.74300	-.02300	-.20747	-.24074	-.24074	-.24713
2.001	137.470	-2.41900	10.87400	.03400	.00000	-.79700	.01700	-.21131	-.24289	-.24417	-.25658
2.001	138.980	-2.46500	10.41500	.02200	-.00200	-.81100	.00800	-.21387	-.23990	-.24417	-.25911
2.001	140.310	-2.51700	9.91600	.01800	-.00400	-.81300	.03900	-.21642	-.23605	-.24159	-.25825
2.001	141.650	-2.59800	9.40000	.00900	-.00300	-.73900	.03600	-.21768	-.23347	-.23816	-.25607
2.001	138.360	-2.46000	10.65900	.03400	.00000	-.82100	.01200	-.20945	-.23802	-.24058	-.25764
2.001	142.370	-2.68100	9.17600	.00600	-.00100	-.57400	.02900	-.21668	-.23161	-.23544	-.25207
2.001	143.910	-2.85500	8.69300	.02100	.00000	-.34200	.04700	-.21796	-.23246	-.23587	-.24994
2.001	145.240	-2.90500	8.18500	-.01100	.00000	-.37500	.07400	-.21963	-.23542	-.23883	-.24865
2.001	146.650	-2.88400	7.76800	-.00100	.00000	-.38300	.05500	-.21835	-.23413	-.23711	-.24266
2.001	148.130	-2.86800	7.30700	-.00600	.00100	-.31900	.06400	-.22269	-.23676	-.23975	-.24230
2.001	149.680	-2.85000	6.85700	.02200	.00100	-.31500	.06400	-.22439	-.23846	-.24060	-.24187
2.001	150.820	-2.82600	6.39300	.03500	.00000	-.44700	.12100	-.22561	-.23542	-.23670	-.23755
2.001	152.520	-2.79600	5.87300	.04800	.00100	-.61600	-.05700	-.22390	-.22859	-.23115	-.23200
2.001	153.670	-2.76100	5.44700	.04400	.00000	-.73600	-.11000	-.22223	-.22266	-.22522	-.22692
2.001	155.400	-2.77400	4.87100	.06500	.00100	-.94900	.07700	-.21712	-.21755	-.22053	-.22181
2.001	156.990	-2.75600	4.38300	.07100	.00200	-1.07000	.21200	-.21537	-.21238	-.21622	-.21579
2.001	158.200	-2.72300	3.92100	.05100	.00100	-1.20800	.32700	-.21036	-.20610	-.21036	-.21079
2.001	159.850	-2.69900	3.45700	-.01300	.00300	-1.40900	.21500	-.20388	-.19919	-.20174	-.20516
2.001	161.380	-2.65600	3.03600	-.07300	.00400	-1.51400	.01600	-.20007	-.19282	-.19538	-.19838
2.001	162.860	-2.63900	2.57400	-.13200	.00200	-1.64600	-.07500	-.19756	-.18775	-.18988	-.19202
2.001	164.490	-2.62900	2.10400	-.09400	.00600	-1.69300	-.18500	-.18947	-.17796	-.18052	-.18393
2.001	166.090	-2.60800	1.67500	-.04800	.00400	-1.60200	-.13700	-.18004	-.16767	-.16980	-.17449
2.001	167.700	-2.56100	1.31100	.01500	.00200	-1.35700	.04300	-.16680	-.15656	-.15827	-.16211
2.001	169.380	-2.52700	.99400	.03300	.00300	-1.17300	-.00100	-.15195	-.14386	-.14641	-.14940
2.001	170.940	-2.51500	.79100	.01200	.00300	-.92500	-.02500	-.13483	-.12844	-.13099	-.13270
2.001	172.580	-2.46900	.63200	.00800	.00200	-.77700	-.00100	-.11780	-.11268	-.11567	-.11567
2.001	174.230	-2.42100	.50200	.00600	.00400	-.60700	-.07200	-.10376	-.09865	-.10163	-.10078
2.001	175.820	-2.36000	.40300	.00600	.00300	-.41100	-.00900	-.09096	-.08841	-.08968	-.08968
2.001	177.200	-2.32300	.35500	.00400	.00100	-.23900	-.01000	-.08508	-.08422	-.08465	-.08508
2.001	177.980	-2.30500	.31200	-.00800	.00400	-.19500	-.03200	-.08393	-.08308	-.08265	-.08393
2.001	178.820	-2.23900	.27900	-.00800	.00200	-.10300	-.03600	-.08217	-.08174	-.08174	-.08302
2.001	179.660	-2.22600	.24400	-.00100	.00200	.00100	.00300	-.08260	-.08175	-.08217	-.08260
2.001	180.550	-2.22[illegible]	.20400	-.00100	.00400	.10100	-.05200	-.08305	-.08178	-.08178	-.08263
2.001	181.450	-2.23400	.17700	.00200	.00400	.31900	-.02500	-.08200	-.08200	-.08115	-.08243
2.001	182.260	-2.30200	.13800	.00800	.00500	.32400	-.04000	-.08378	-.08208	-.08336	-.08378
2.001	183.210	-2.33600	.10500	-.00400	.00400	.44200	-.03800	-.08475	-.08262	-.08517	-.08390
2.001	184.140	-2.37100	.06700	.00300	.00400	.58200	-.02500	-.08726	-.08556	-.08854	-.08726
2.001	184.950	-2.40400	.02100	.00300	.00500	.62100	-.04900	-.09198	-.09028	-.09496	-.09198
2.001	185.970	-2.43500	-.04600	.01000	.00400	.76100	-.00400	-.09886	-.09716	-.10227	-.09801
2.001	186.910	-2.47000	-.11100	.01100	.00500	.87100	-.03200	-.10943	-.10687	-.11156	-.10645
	GRADIENT	.00781	-.23323	-.00043	.00011	.02067	-.00183	.00328	.00384	.00387	.00416

LEWIS T-035 SA6F 142-IN SRB, (NOSE MOUNTED MODEL) (RGE028) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	22.500
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	8.000

RUN NO. 19/ 1 RN/L = 2.36 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.677	142.250	-2.50300	8.26800	.01400	-.00600	-.26600	.07700	-.11541	-.13232	-.13642	-.14822
2.677	180.140	-2.12400	-.03300	.02100	.00000	.02500	.06600	-.06684	-.06787	-.07248	-.07402
	GRADIENT	.01000	-.21908	.00018	.00016	.00768	-.00029	.00128	.00170	.00169	.00196

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGED29) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 90.000
ALPROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = .000 ENGSTK = 2.000

RUN NO. 32/ 0 RN/L = 2.82 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	-5.870	1.12600	-.61800	-.02100	-.00100	-1.11900	-.05900	.00000	.00000	.00000	.00000
2.004	-5.320	1.11900	-.57800	-.02300	-.00200	-1.05600	-.05800	.00000	.00000	.00000	.00000
2.004	-4.460	1.10600	-.48700	-.00300	-.00100	-.70200	-.12700	.00000	.00000	.00000	.00000
2.004	-3.520	1.09200	-.41700	-.02500	.00100	-.53000	-.02600	.00000	.00000	.00000	.00000
2.004	-2.550	1.07500	-.33000	-.03100	.00100	-.36800	.01500	.00000	.00000	.00000	.00000
2.004	-1.690	1.06400	-.26500	-.02300	-.00100	-.18900	-.03400	.00000	.00000	.00000	.00000
2.004	-.840	1.06000	-.18300	-.01900	.00100	-.15400	-.03700	.00000	.00000	.00000	.00000
2.004	.070	1.05800	-.10900	-.00400	.00000	-.11800	-.07300	.00000	.00000	.00000	.00000
2.004	.910	1.06100	-.02500	-.04300	.00100	-.06900	-.01300	.00000	.00000	.00000	.00000
2.004	1.780	1.06400	.05300	-.02900	-.00100	.10600	-.08300	.00000	.00000	.00000	.00000
2.004	2.610	1.07200	.12500	-.01000	.00000	.16900	-.07000	.00000	.00000	.00000	.00000
2.004	3.470	1.08400	.18600	-.01900	.00000	.29900	-.03200	.00000	.00000	.00000	.00000
2.004	4.300	1.09800	.26400	-.02800	.00000	.54700	-.07500	.00000	.00000	.00000	.00000
2.004	5.150	1.11000	.33000	-.03700	.00000	.73500	-.05100	.00000	.00000	.00000	.00000
2.004	5.950	1.11900	.42600	-.01800	.00100	.92600	-.01900	.00000	.00000	.00000	.00000
2.004	6.780	1.12700	.50800	-.02400	-.00100	1.08300	-.11200	.00000	.00000	.00000	.00000
2.004	7.610	1.13500	.60500	-.04100	.00000	1.26800	-.08500	.00000	.00000	.00000	.00000
2.004	8.440	1.14100	.70400	-.04000	.00000	1.53300	-.06900	.00000	.00000	.00000	.00000
2.004	10.030	1.14700	.93600	-.04100	-.00100	1.97800	-.10900	.00000	.00000	.00000	.00000
2.004	11.680	1.14100	1.24500	-.02900	-.00200	2.69400	-.11100	.00000	.00000	.00000	.00000
2.004	13.360	1.13400	1.58600	-.04700	-.00300	3.26900	-.07900	.00000	.00000	.00000	.00000
2.004	14.920	1.12600	1.98200	-.06600	.00000	3.96200	-.04200	.00000	.00000	.00000	.00000
2.004	16.500	1.12300	2.42300	-.07700	-.00100	4.38700	-.06500	.00000	.00000	.00000	.00000
2.004	18.020	1.12500	2.90600	-.07000	-.00200	4.68300	-.05400	.00000	.00000	.00000	.00000
2.004	19.530	1.12000	3.38300	-.07200	-.00200	4.91200	-.08600	.00000	.00000	.00000	.00000
2.004	21.040	1.11800	3.86300	-.07900	-.00100	5.04600	-.07700	.00000	.00000	.00000	.00000
2.004	22.530	1.12000	4.41400	-.06600	.00000	5.15900	-.08300	.00000	.00000	.00000	.00000
2.004	23.990	1.13200	4.92200	-.06900	-.00100	5.15800	-.12700	.00000	.00000	.00000	.00000
2.004	25.440	1.14100	5.44800	-.07300	.00000	5.36900	-.15600	.00000	.00000	.00000	.00000
2.004	26.910	1.16000	5.96900	-.07600	.00200	5.36400	-.02100	.00000	.00000	.00000	.00000
2.004	28.300	1.17100	6.44900	-.07000	-.00200	5.54600	-.10300	.00000	.00000	.00000	.00000
2.004	29.750	1.17700	6.95600	-.04700	.00100	5.68600	-.08800	.00000	.00000	.00000	.00000
2.004	31.190	1.19100	7.47500	-.05300	-.00100	5.72900	-.13400	.00000	.00000	.00000	.00000
2.004	32.620	1.20600	8.01400	-.05800	.00000	5.71700	-.08000	.00000	.00000	.00000	.00000
2.004	33.970	1.21100	8.53000	-.06400	.00100	5.84300	.04600	.00000	.00000	.00000	.00000
2.004	35.410	1.21900	9.08100	-.05600	.00200	5.73900	.04300	.00000	.00000	.00000	.00000
2.004	36.850	1.22900	9.64700	-.03100	.00100	5.77800	-.05400	.00000	.00000	.00000	.00000
2.004	38.310	1.23500	10.09200	-.04800	-.00200	6.14800	-.08200	.00000	.00000	.00000	.00000
2.004	39.730	1.23900	10.57900	-.07500	.00200	6.35800	.02900	.00000	.00000	.00000	.00000
2.004	39.820	1.23700	10.56900	-.09200	.00100	6.32200	-.07700	.00000	.00000	.00000	.00000
	GRADIENT	-.00093	.08678	-.00386	-.00002	.12354	-.00087	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE029) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 90.000
ALPROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = .000 ENGSTK = 2.000

RUN NO. 40/ 0 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.675	-5.860	.87900	-.59700	-.02400	-.00300	-1.22500	-.04700	.00000	.00000	.00000	.00000
2.675	-5.650	.87800	-.58900	-.02200	-.00300	-1.20200	.00500	.00000	.00000	.00000	.00000
2.675	-4.890	.86800	-.48300	-.03200	-.00100	-.99500	.10900	.00000	.00000	.00000	.00000
2.675	-3.980	.86000	-.39800	-.03000	-.00200	-.78200	.06000	.00000	.00000	.00000	.00000
2.675	-3.100	.85000	-.31300	-.03900	-.00400	-.52600	-.10300	.00000	.00000	.00000	.00000
2.675	-2.210	.84500	-.23800	-.02200	-.00500	-.38800	-.08500	.00000	.00000	.00000	.00000
2.675	-1.310	.83900	-.17000	-.03500	.00300	-.22000	.11600	.00000	.00000	.00000	.00000
2.675	-.490	.83600	-.10500	-.03700	.00000	-.14300	.05100	.00000	.00000	.00000	.00000
2.675	.360	.83500	-.02100	-.02600	.00000	-.05700	.03100	.00000	.00000	.00000	.00000
2.675	1.240	.83700	.05900	-.03800	.00000	.08300	.10400	.00000	.00000	.00000	.00000
2.675	2.090	.84300	.12300	-.01300	-.00500	.23200	-.10600	.00000	.00000	.00000	.00000
2.675	2.960	.84600	.20100	-.03400	-.00300	.40700	-.01400	.00000	.00000	.00000	.00000
2.675	3.800	.85100	.26600	-.03800	.00200	.56100	.06100	.00000	.00000	.00000	.00000
2.675	4.650	.85400	.34300	-.04300	.00100	.76900	.10000	.00000	.00000	.00000	.00000
2.675	5.480	.87300	.43500	-.05400	.00000	1.00900	.03000	.00000	.00000	.00000	.00000
2.675	6.260	.88100	.52300	-.03600	-.00300	1.16200	-.03400	.00000	.00000	.00000	.00000
2.675	7.050	.88900	.62500	-.03300	-.00200	1.32300	.05500	.00000	.00000	.00000	.00000
2.675	7.890	.89600	.73700	-.01200	-.00200	1.62600	.06000	.00000	.00000	.00000	.00000
2.675	8.710	.90600	.85800	-.04200	-.00400	1.85100	-.03700	.00000	.00000	.00000	.00000
2.675	9.530	.90900	1.00700	-.03500	-.00400	2.17000	-.14300	.00000	.00000	.00000	.00000
2.675	11.140	.90100	1.34400	-.03900	-.00100	2.59900	.04100	.00000	.00000	.00000	.00000
2.675	12.620	.89600	1.70700	-.05400	-.00600	2.82800	-.06300	.00000	.00000	.00000	.00000
2.675	14.260	.90000	2.10700	-.05300	-.00500	3.03500	-.06000	.00000	.00000	.00000	.00000
2.675	15.870	.91200	2.53600	-.05300	-.00200	3.16500	.00200	.00000	.00000	.00000	.00000
2.675	17.420	.92300	2.95000	-.05600	-.00300	3.34900	-.05000	.00000	.00000	.00000	.00000
2.675	18.920	.94000	3.36900	-.03300	-.00200	3.48300	-.02500	.00000	.00000	.00000	.00000
2.675	20.470	.95900	3.79100	-.05200	-.00100	3.59500	.01400	.00000	.00000	.00000	.00000
2.675	21.870	.97500	4.22800	-.04300	-.00200	3.69300	-.00400	.00000	.00000	.00000	.00000
2.675	23.350	.99200	4.63900	-.06400	-.00100	3.79500	-.04300	.00000	.00000	.00000	.00000
2.675	24.760	1.01500	5.08000	-.06100	.00200	3.84700	.02300	.00000	.00000	.00000	.00000
2.675	26.190	1.03300	5.54100	-.02400	-.00200	3.96300	-.03600	.00000	.00000	.00000	.00000
2.675	27.620	1.04200	5.99500	-.05700	-.00100	4.02900	-.03300	.00000	.00000	.00000	.00000
2.675	29.060	1.07000	6.45300	-.04000	-.00300	4.14600	-.09300	.00000	.00000	.00000	.00000
2.675	30.400	1.09200	6.92900	-.05300	.00100	4.20800	.00400	.00000	.00000	.00000	.00000
2.675	31.870	1.11100	7.37900	-.03900	-.00600	4.32800	-.14000	.00000	.00000	.00000	.00000
2.675	33.240	1.13100	7.85300	-.04300	.00100	4.39200	.01100	.00000	.00000	.00000	.00000
2.675	34.630	1.15000	8.31800	-.07200	.00300	4.49700	.03500	.00000	.00000	.00000	.00000
2.675	36.040	1.16300	8.75800	-.09200	.00400	4.65900	.01100	.00000	.00000	.00000	.00000
2.675	37.420	1.17700	9.22300	-.07700	.00300	4.76100	.14300	.00000	.00000	.00000	.00000
2.675	38.840	1.18800	9.68800	-.07300	.00000	4.93100	.03600	.00000	.00000	.00000	.00000
	GRADIENT	-.00057	.08585	-.00117	.00023	.17034	.00146	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE030) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 90.000
ALPROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = .000 ENGSTK = 2.000

RUN NO. 32/ 1 RN/L = 2.82 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	41.030	1.23700	11.00900	-.08200	-.00100	6.58000	-.12300	.00000	.00000	.00000	.00000
2.004	42.430	1.23600	11.51500	.08600	.00000	6.69900	-.09200	.00000	.00000	.00000	.00000
2.004	43.880	1.24000	12.00600	-.05900	.00000	6.80800	-.06800	.00000	.00000	.00000	.00000
2.004	45.280	1.23900	12.48500	-.10000	.00000	7.03200	-.03600	.00000	.00000	.00000	.00000
2.004	46.790	1.23500	13.01400	-.08800	.00200	7.24800	-.02800	.00000	.00000	.00000	.00000
2.004	48.120	1.22400	13.46500	-.11000	.00000	7.49400	-.06300	.00000	.00000	.00000	.00000
2.004	49.560	1.21500	13.91200	-.10500	.00000	7.71100	-.06100	.00000	.00000	.00000	.00000
2.004	50.970	1.20700	14.34300	-.10500	-.00100	7.90400	-.06900	.00000	.00000	.00000	.00000
2.004	52.370	1.18700	14.75400	-.03400	.00100	8.19700	-.02300	.00000	.00000	.00000	.00000
2.004	53.680	1.17100	15.13300	-.10000	.00100	8.42900	-.03400	.00000	.00000	.00000	.00000
2.004	55.070	1.15400	15.52700	-.08400	.00100	8.70500	-.07000	.00000	.00000	.00000	.00000
2.004	56.560	1.13100	15.90700	-.03500	.00000	8.97500	-.10700	.00000	.00000	.00000	.00000
2.004	58.080	1.10100	16.27000	-.08000	.00100	9.15500	-.06500	.00000	.00000	.00000	.00000
2.004	59.500	1.06700	16.64400	-.09700	.00100	9.40400	-.03600	.00000	.00000	.00000	.00000
2.004	60.940	1.01900	16.99900	-.09800	.00100	9.60900	-.02400	.00000	.00000	.00000	.00000
2.004	62.410	.96300	17.36700	-.11500	.00000	9.80700	.04200	.00000	.00000	.00000	.00000
2.004	63.950	.90700	17.75200	-.08900	.00100	9.99400	-.01200	.00000	.00000	.00000	.00000
2.004	65.520	.85400	18.13200	-.10200	.00100	10.07700	.09400	.00000	.00000	.00000	.00000
2.004	66.990	.81200	18.44700	-.11000	.00000	10.20900	.08000	.00000	.00000	.00000	.00000
2.004	68.610	.75100	18.74300	-.11300	.00100	10.33000	.10700	.00000	.00000	.00000	00000
2.004	70.110	.68900	19.02700	-.11600	.00100	10.40300	.10200	.00000	.00000	.00000	.00000
2.004	71.780	.61600	19.25800	-.13800	.00200	10.40500	.10500	.00000	.00000	.00000	.00000
2.004	73.350	.54000	19.50600	-.13000	-.00100	10.41500	.02100	.00000	.00000	.00000	.00000
2.004	75.050	.44200	19.73200	-.13700	.00300	10.42800	.03800	.00000	.00000	.00000	.00000
2.004	76.510	.41400	19.79200	-.16900	.00200	10.36100	.13700	.00000	.00000	.00000	.00000
2.004	77.020	.31500	20.01000	-.15000	.00300	10.22200	.20300	.00000	.00000	.00000	.00000
2.004	79.140	.15000	20.27100	-.13100	.00300	9.94600	.08700	.00000	.00000	.00000	.00000
2.004	81.020	-.01100	20.49500	-.11900	.00300	9.71000	.12700	.00000	.00000	.00000	.00000
2.004	82.790	-.16000	20.67200	-.13700	.00300	9.38300	.12900	.00000	.00000	.00000	.00000
2.004	84.510	-.29100	20.78600	-.12300	.00400	9.01800	.15500	.00000	.00000	.00000	.00000
2.004	86.350	-.41100	20.84300	-.08000	.00700	8.72100	.04200	.00000	.00000	.00000	.00000
2.004	87.730	-.50300	20.89000	-.07700	.00600	8.49700	.10200	.00000	.00000	.00000	.00000
2.004	89.270	-.58700	20.92000	-.10800	.00400	8.12200	.12600	.00000	.00000	.00000	.00000
	GRADIENT	-.03779	.20991	-.00074	.00010	.05493	.00521	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE030) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.
LREF =	3.0000 IN.	YMRP =	.0000 IN.
BREF =	3.0000 IN.	ZMRP =	.0000 IN.
SCALE =	.0211		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	2.000

RUN NO. 40/ 1 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNN	CYN	CBL	CLNN	CYNN	CPB1	CPB2	CPB3	CPB4
2.675	40.290	1.20100	10.15000	-.09200	.00300	5.06400	.10500	.00000	.00000	.00000	.00000
2.675	41.580	1.21200	10.59200	-.09200	.00100	5.30600	.00200	.00000	.00000	.00000	.00000
2.675	43.000	1.22000	11.06900	-.08000	-.00100	5.48500	-.04300	.00000	.00000	.00000	.00000
2.675	44.390	1.23000	11.52600	-.08500	.00200	5.64600	.05700	.00000	.00000	.00000	.00000
2.675	45.780	1.24100	11.98700	-.09100	-.00100	5.79800	-.05000	.00000	.00000	.00000	.00000
2.675	47.180	1.25100	12.43300	-.10700	.00100	5.92200	.01300	.00000	.00000	.00000	.00000
2.675	48.560	1.26700	12.88100	-.11600	-.00200	6.11100	.00900	.00000	.00000	.00000	.00000
2.675	49.970	1.27600	13.30000	-.11400	-.00300	6.31800	-.02800	.00000	.00000	.00000	.00000
2.675	51.370	1.28100	13.70900	-.12700	-.00100	6.56900	.01200	.00000	.00000	.00000	.00000
2.675	52.600	1.28400	14.04400	-.10600	-.00200	6.82000	.00800	.00000	.00000	.00000	.00000
2.675	54.000	1.27700	14.44300	-.12300	.00000	7.10200	.02700	.00000	.00000	.00000	.00000
2.675	55.410	1.25200	14.81900	-.11100	.00000	7.38900	-.02800	.00000	.00000	.00000	.00000
2.675	56.690	1.23600	15.19800	-.11700	.00100	7.69800	-.01000	.00000	.00000	.00000	.00000
2.675	58.550	1.19900	15.54700	-.12600	.00100	7.90800	-.04300	.00000	.00000	.00000	.00000
2.675	59.780	1.15100	15.88400	-.13000	.00200	8.23900	-.02100	.00000	.00000	.00000	.00000
2.675	61.500	1.10300	16.21700	-.13800	.00000	8.49300	-.05200	.00000	.00000	.00000	.00000
2.675	62.790	1.04200	16.51000	-.14300	.00100	8.69800	.00200	.00000	.00000	.00000	.00000
2.675	64.260	.98900	16.80200	-.13400	-.00100	8.81400	-.05800	.00000	.00000	.00000	.00000
2.675	65.790	.93300	17.08000	-.13800	-.00100	8.93100	-.06500	.00000	.00000	.00000	.00000
2.675	67.310	.89400	17.33200	-.13400	.00200	9.06300	-.00800	.00000	.00000	.00000	.00000
2.675	68.890	.83700	17.59400	-.16100	.00300	9.15400	-.00600	.00000	.00000	.00000	.00000
2.675	70.480	.77900	17.82500	-.14600	.00200	9.23500	-.08800	.00000	.00000	.00000	.00000
2.675	72.040	.71800	18.05100	-.12300	.00100	9.26500	-.08500	.00000	.00000	.00000	.00000
2.675	73.690	.65200	18.26600	-.12400	.00100	9.21900	-.08400	.00000	.00000	.00000	.00000
2.675	74.660	.60800	18.39100	-.12500	.00100	9.17400	-.05100	.00000	.00000	.00000	.00000
2.675	76.370	.52300	18.57900	-.10900	.00200	9.04000	-.07300	.00000	.00000	.00000	.00000
2.675	78.260	.43300	18.78800	-.09100	.00300	8.93600	.00900	.00000	.00000	.00000	.00000
2.675	79.900	.34400	18.98400	-.08400	.00200	8.84200	.03700	.00000	.00000	.00000	.00000
2.675	81.660	.23900	19.21500	-.06400	.00300	8.80100	-.01600	.00000	.00000	.00000	.00000
2.675	83.400	.13500	19.41400	-.07000	.00400	8.76000	-.06200	.00000	.00000	.00000	.00000
2.675	85.220	.02100	19.56900	-.08400	.00400	8.65300	-.06600	.00000	.00000	.00000	.00000
2.675	86.730	-.07900	19.63400	-.09700	.00500	8.49500	-.05800	.00000	.00000	.00000	.00000
2.675	88.480	-.17600	19.65000	-.09200	.00400	8.26100	-.00300	.00000	.00000	.00000	.00000
	GRADIENT	-.02922	.19851	.0015	.00039	.08205	-.00137	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB, (NOSE MOUNTED MODEL) (RGED31) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 90.000
A_PROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = .000 ENGSTK = 8.000

RUN NO. 23/ 0 RN/L = 2.41 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYN	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.001	90.760	.64700	20.23100	-.06800	-.00700	4.92300	-.03300	.79742	-.08511	.65695	-.20044
2.001	92.870	.53600	20.15500	-.04700	-.01000	4.60600	.06600	.74366	-.14436	.55655	-.20501
2.001	95.010	.40100	20.02000	-.04800	-.00800	4.29600	-.01000	.66518	-.19623	.47857	-.20893
2.001	96.670	.29400	19.89000	-.04800	-.00700	4.02700	-.07000	.60858	-.22242	.42736	-.21054
2.001	98.460	.17000	19.71900	-.02700	-.00700	3.71900	.02100	.54378	-.24200	.35753	-.21783
2.001	100.480	.04000	19.53800	-.01700	-.00800	3.31300	.02300	.46477	-.25725	.27199	-.22882
2.001	102.600	-.11600	19.34100	.00000	-.00700	3.03200	.04900	.37312	-.26742	.19179	-.23590
2.001	105.670	-.32600	18.94800	.01300	-.00800	2.70100	.06100	.23945	-.27378	.08908	-.24536
2.001	108.360	-.46300	18.69900	.00600	-.00600	2.45200	-.00900	.16425	-.27422	.03412	-.24961
2.001	110.060	-.59900	18.41300	.00400	-.00500	2.31600	.02000	.10443	-.27889	-.01001	-.25726
2.001	110.540	-.71300	18.07100	.00800	-.00600	2.09900	.05400	.05702	-.28105	-.04390	-.26525
2.001	111.690	-.83300	17.74000	.01000	-.00500	1.94000	.03300	.01831	-.28358	-.07325	-.26874
2.001	113.160	-.96200	17.39100	.00000	-.00800	1.76700	.06100	-.01345	-.28524	-.09823	-.27294
2.001	114.530	-1.07700	17.02700	.00600	-.00600	1.53800	-.01700	-.04272	-.28780	-.12029	-.27677
2.001	115.910	-1.19500	16.65400	-.00700	-.00700	1.40600	.02200	-.06937	-.29034	-.14145	-.28185
2.001	117.340	-1.30800	16.26000	-.01900	-.00700	1.18300	-.01200	-.09441	-.29544	-.16310	-.28865
2.001	118.600	-1.42700	15.87100	-.00800	-.00700	1.15100	-.01400	-.11276	-.29470	-.17638	-.28918
2.001	120.200	-1.55000	15.51700	-.01800	-.00800	1.11900	-.01300	-.13087	-.29463	-.19025	-.29081
2.001	121.710	-1.67400	15.15700	.01600	-.00500	1.10300	.00900	-.14615	-.29371	-.20169	-.29074
2.001	122.990	-1.78600	14.77300	-.01400	-.00600	.92900	-.02300	-.16063	-.29546	-.21320	-.29376
2.001	124.570	-1.91900	14.35700	-.01500	-.00400	.81800	-.07000	-.17458	-.29457	-.22291	-.29415
2.001	126.010	-2.04500	13.94[illegible]	.01300	-.00400	.63700	-.03910	-.18562	-.29246	-.23055	-.29458
2.001	127.910	-2.07100	13.61[illegible]	.02300	-.00700	.22300	-.03400	-.19413	-.28402	-.23526	-.29462
2.001	129.540	-2.14000	13.22500	.01000	-.00700	.09100	.00700	-.19913	-.27166	-.23561	-.27251
2.001	132.190	-2.19200	12.65900	.00600	-.00500	.07400	-.05400	-.20635	-.25597	-.23392	-.24198
2.001	133.040	-2.23500	12.43300	.00600	-.00600	.00700	-.04900	-.21111	-.25182	-.23528	-.23825
2.001	133.650	-2.28100	11.95800	.00500	-.00600	-.07200	-.04300	-.21271	-.24281	-.23391	-.23348
2.001	134.820	-2.33900	11.53900	.01500	-.00400	.00200	-.08600	-.21742	-.23593	-.2365[illegible]	-.23439
	GRADIENT	-.07276	-.20624	.00116	.00006	-.11241	-.00160	-.00364	-.00201	-.0193[illegible]	-.00140

LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL) (RGE031) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	2.000

RUN NO. 247 0 RN/L = 2.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.674	91.120	.47600	19.06300	- .06100	-.00600	4.40200	-.09300	.69490	-.05282	.50286	-.08547
2.674	93.250	.36600	18.99300	- .05200	-.00700	4.13200	-.07900	.62531	-.07597	.45165	-.08095
2.674	95.120	.25500	18.85800	-.03600	-.00800	3.99600	-.02000	.54219	-.09666	.37249	-.08544
2.674	97.050	.13200	18.62800	- .[illegible]	- .00700	3.86500	- .[illegible]400	.45644	-.[illegible]053	.28928	- .[illegible]3676
2.674	99.[illegible]	.[illegible]7600	18.[illegible]	- .[illegible]	- .[illegible]00	3.67400	-.00600	.36673	- .11970	.[illegible]695	-.[illegible]2389
2.674	101.020	- .[illegible]700	18.[illegible]	- .[illegible]5600	-.[illegible]3400	3.63900	.[illegible]0600	.29326	-.10624	.16010	-.10837
2.674	103.[illegible]	- .[illegible]	17.[illegible]	- .[illegible]000	- .00800	3.[illegible]0800	- .[illegible]0300	.22.43	-.10392	.10472	-.[illegible]79
2.674	105.[illegible]	- .[illegible]	17.[illegible]	- .[illegible]900	- .01800	3.[illegible]0800	- .[illegible]0600	.[illegible]7028	-.10795	.[illegible]7313	- .10767
2.674	6.[illegible]	- .[illegible]	17.[illegible]	- .[illegible]200	- .[illegible]	2.[illegible]	- .[illegible]1300	.13499	- .12744	.04573	-.12770
2.674	8.[illegible]	- .[illegible]	16.[illegible]	- .[illegible]	- .[illegible]	2.70100	- .[illegible]0	.10299	- .14047	.02134	- .13128
2.674	[illegible]	[illegible]	[illegible]	- .[illegible]	- .[illegible]	[illegible]	- .[illegible]	.07696	- .14[illegible]	- .[illegible]006	.[illegible]8478
.674	[illegible]	[illegible]	[illegible]	[illegible]	- .[illegible]700	2.40500	-.[illegible]	.05150	-.14349	- .[illegible]600	-.[illegible]8033
.674	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.[illegible]000	[illegible]	[illegible]1177	-.[illegible]715	- .[illegible]	- .[illegible]870
2.674	[illegible]	[illegible]	[illegible]	[illegible]	-.[illegible]800	1.[illegible]100	.[illegible]	-.12443	-.15057	.[illegible]213	- .15159
2.674	[illegible]	[illegible]	[illegible]	[illegible]	- .[illegible]600	1.[illegible]100	-.[illegible]	-.[illegible]3883	- .15115	- .[illegible]188	- .15166
2.674	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]600	1.[illegible]600	.[illegible]2000	- .05150	-.15110	- .[illegible]	- .15361
2.674	.[illegible]	-1.[illegible]	[illegible]	[illegible]0600	- .[illegible]0600	1.[illegible]700	.[illegible]0400	-.[illegible]6324	-.15106	- .[illegible]0408	-.15412
2.674	.[illegible]	-1.[illegible]	[illegible]	[illegible]0600	- .[illegible]0600	1.[illegible]600	.[illegible]0700	-.[illegible]7842	-.15157	-.[illegible]1369	-.15617
2.674	.[illegible]	[illegible]	[illegible]	[illegible]	-.[illegible]0600	1.[illegible]600	.[illegible]0700	-.[illegible]7963	-.15203	-.11528	-.15611
2.674	.[illegible]	-[illegible]	[illegible]	[illegible]	- .[illegible]	1.[illegible]600	-.[illegible]1500	-.[illegible]8225	-.15426	- .11983	-.15815
2.67[illegible]	.[illegible]	-2.[illegible]	[illegible]	[illegible]0700	-.[illegible]0700	1.[illegible]5000	.[illegible]5000	-.08941	-.15457	-.12341	-.15917
2.674	[illegible]	-2.[illegible]	[illegible]	- .[illegible]0300	- .[illegible]	1.[illegible]600	.[illegible]0300	-.[illegible]0554	-.15352	-.12545	-.15913
2.674	[illegible]	-2.[illegible]	[illegible]	[illegible]1300	-.[illegible]0600	1.[illegible]600	.[illegible]0600	-.[illegible]0912	-.15204	- .12905	-.16073
2.674	[illegible]	-2.[illegible]	[illegible]	[illegible]1200	-.[illegible]0600	.[illegible]8210	.[illegible]0600	-.[illegible]1637	-.15356	-.13057	-.16020
2.674	[illegible]	-2.[illegible]	[illegible]	[illegible]0700	-.[illegible]0600	.[illegible]6900	.[illegible]0400	- .12735	- .15149	-.13208	- .[illegible]6068
2.674	[illegible]	-2.[illegible]	[illegible]	- .[illegible]0600	- .[illegible]0600	.[illegible]4200	.[illegible]0200	-.[illegible]2444	-.14896	-.[illegible]5363	- .[illegible]6611
2.674	[illegible]	-2.[illegible]	[illegible]	- .[illegible]0600	- .[illegible]0600	.[illegible]4200	.[illegible]0200	- .12544	- .14179	- .13209	- .[illegible]6[illegible]
2.674	[illegible]	-2.[illegible]	[illegible]	- .[illegible]0600	- .[illegible]0600	.[illegible]4900	.[illegible]0200	-.[illegible]2591	-.13610	-.13804	- .[illegible]4[illegible]
2.674	[illegible]	-2.[illegible]	[illegible]	-.[illegible]0600	-.[illegible]0600	.[illegible]4800	.[illegible]0100	- .12748	- .13478	- .13347	- .[illegible]429
2.674	[illegible]	-2.[illegible]	[illegible]	-.[illegible]0200	- .00400	.[illegible]3400	.[illegible]0600	-.[illegible]3206	-.[illegible]2411	-.[illegible]	- .[illegible]4[illegible]
	[illegible]	- .[illegible]	- .21478	.[illegible]	.00006	-.[illegible]8[illegible]	.[illegible]228	-.[illegible]1483	- .00109	- .[illegible]6	-.[illegible]0144

LEWIS T-035 SA6F 142-IN SRB, (NOSE MOUNTED MODEL) (RGE032) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.5000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	8.000

RUN NO. 23/ 1 RN/L = 2.41 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYN	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.001	136.140	-2.39600	11.09500	.01600	-.00400	.02000	-.09400	-.22465	-.23998	-.24119	-.23907
2.001	137.390	-2.44100	10.62700	.01200	-.00600	-.07300	-.02700	-.23163	-.24583	-.24710	-.24837
2.001	139.620	-2.49100	10.19300	.02200	-.00400	-.19300	-.02700	-.23483	-.24755	-.24882	-.25518
2.001	139.720	-2.52500	9.65900	.01900	-.00500	-.29400	-.01200	-.23657	-.24547	-.24632	-.25734
2.001	142.440	-2.61300	9.20100	.00000	-.00800	-.29900	.02000	-.23773	-.24070	-.24239	-.25511
2.001	142.100	-2.60700	9.34300	-.01700	-.00300	-.22700	.00700	-.23573	-.23955	-.23785	-.25438
2.001	142.860	-2.72500	8.79000	.00900	-.00800	-.27700	.01900	-.23739	-.23781	-.23866	-.25099
2.001	144.260	-2.93000	8.32700	-.01500	-.00600	-.11100	.09700	-.23964	-.23821	-.24033	-.24882
2.001	145.690	-2.93000	7.83600	-.01500	-.00800	-.14600	.09600	-.23822	-.23567	-.23906	-.24373
2.001	147.080	-2.90300	7.34900	-.01600	-.00500	-.44400	.04600	-.23528	-.23189	-.23486	-.23695
2.001	148.540	-2.88900	6.89000	-.00600	-.00600	-.54900	.08300	-.23318	-.22894	-.23191	-.23191
2.001	149.920	-2.86600	6.45300	-.00300	-.00400	-.70600	-.01400	-.23061	-.22595	-.22849	-.22807
2.001	151.350	-2.83600	5.95000	.00200	-.00600	-.88600	.05400	-.22763	-.22297	-.22424	-.22468
2.001	152.810	-2.81300	5.46400	-.00300	-.00300	-1.03200	-.00900	-.22466	-.22042	-.22127	-.22211
2.001	154.260	-2.79900	4.99100	.00200	-.00500	-1.13500	.06100	-.22001	-.21662	-.21747	-.21874
2.001	155.760	-2.78600	4.52000	-.00100	-.00500	-1.18200	.05700	-.21576	-.21194	-.21322	-.21534
2.001	157.290	-2.76800	4.01800	.01100	-.00500	-1.31800	.09200	-.21110	-.20686	-.20898	-.21195
2.001	158.760	-2.74100	3.57000	.00300	-.00600	-1.42500	.01900	-.20599	-.20218	-.20430	-.20769
2.001	160.140	-2.70100	3.13000	.02500	-.00600	-1.54100	.06700	-.20211	-.19702	-.19957	-.20318
2.001	161.600	-2.65200	2.65700	.03500	-.00600	-1.68300	.06700	-.19798	-.19290	-.19544	-.20095
2.001	163.360	-2.60100	2.18100	.05300	-.00300	-1.76800	.03800	-.19325	-.18604	-.18901	-.19579
2.001	164.860	-2.56800	1.74300	.04500	-.00300	-1.80700	.01200	-.18340	-.17789	-.18001	-.18595
2.001	166.780	-2.58200	1.31600	.01400	-.00500	-1.54000	.03600	-.16866	-.16824	-.17036	-.17333
2.001	168.080	-2.55100	.96600	.01600	-.00400	-1.32000	.03700	-.14914	-.15720	-.15974	-.16229
2.001	169.670	-2.51500	.69500	.01900	-.00200	-1 14500	-.04100	-.13644	-.14407	-.14661	-.14830
2.001	171.340	-2.47000	.50700	.01400	-.00200	-.94500	-.06400	-.1 .37	-.12930	-.13227	-.13227
2.001	172.930	-2.42200	.34700	.01900	-.00300	-.76400	.01600	-.10395	-.11284	-.11623	-.11453
2.001	174.570	-2.3670.	.22700	.01900	-.00300	-.60200	-.00600	-.08726	-.09827	-.10082	-.09997
2.001	176.200	-2.30800	.13500	.00900	-.00300	-.44100	.00200	-.07185	-.08238	-.09050	-.09050
2.001	77.890	-2.25300	.06800	.00300	.00200	-.28400	-.07800	-.06573	-.09437	-.08437	-.08522
2.0	3.630	-2.15800	-.01000	.00900	-.00100	-.06800	-.07500	-.06514	-.08251	-.08251	-.08378
2.001	180.160	-2.15800	-.02700	.01600	-.00100	.01300	-.02000	- .07735	-.08306	-.08348	-.08433
2.001	181.910	-2.25100	-.08700	.01300	-.00400	.20900	.07300	-.07416	-.08221	-.08305	-.08305
2.0 1	183.710	-2.32900	-.17000	.00500	-.00300	.40900	.01300	-.08041	-.08549	-.08803	-.08719
2. 1	185.590	-2.38300	-.26500	.01500	-.00100	.57900	- .02100	-.09396	-.09650	-.10032	-.09862
2.1	187.990	-2.39700	-.29800	.01900	-.00200	.65700	.01400	-.09952	-.10379	-.10460	-.10249
	GRADIENT	.00938	-.24242	.00033	.00010	.00480	-.00054	.00396	.00384	.00392	.00398

LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL) (RGE032) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	2.000

RUN NO. 247 1 RN/L = 2.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.674	142.020	-2.52100	8.24600	-.02800	-.00600	.39600	.08100	-.13471	-.13573	-.13726	-.14595
2.674	142.060	-2.51500	8.21200	-.02700	-.00400	.39000	.08000	-.13015	-.13932	-.13519	-.14749
2.674	144.690	-2.53700	7.28200	-.00800	-.00500	.27300	.05900	-.13680	-.13731	-.13731	-.14448
2.674	147.180	-2.51600	6.36900	-.03200	-.00400	.14400	.07100	-.13881	-.13524	-.13779	-.14137
2.674	148.430	-2.77600	5.91700	-.02000	-.00200	.46100	.01700	-.13619	-.13482	-.13788	-.13941
2.674	150.650	-2.90300	5.48900	-.01900	-.00200	.49400	.05500	-.13893	-.13434	-.13791	-.13944
2.674	152.040	-2.89900	5.06100	-.02200	-.00500	.42300	.11000	-.13897	-.13438	-.13744	-.13648
2.674	153.360	-2.86200	4.65000	-.02700	-.00200	.33700	-.03000	-.13687	-.13227	-.13534	-.13585
2.674	154.780	-2.81700	4.24 30	-.03000	-.00700	.23300	.12000	-.13581	-.13370	-.13576	-.13376
2.674	156.05	-2.77300	3.86300	.01900	-.00600	.14000	.09500	-.13390	-.12879	-.13358	-.13441
2.674	157.71	-2.85500	3.45300	.00600	.00100	-.07900	.00200	-.13441	-.12981	-.13239	-.13539
2.674	159.51	-2.85000	3.05500	.01200	-.00700	-.20800	.12700	-.13177	-.12820	-.13375	-.13536
2.674	160.[illegible]	[illegible]	[illegible]	.00170	.00000	-.28500	-.[illegible]	-.13032	-.12723	-.13032	-.13789
2.674	162.[illegible]	-2.[illegible]	2.[illegible]	.01400	-.00700	-.43000	.07700	-.12770	-.12367	-.12923	-.13089
2.674	163.[illegible]	-2.51200	.[illegible]	.00100	-.00700	-.46900	.04700	-.12514	-.12463	-.12769	-.[illegible]22
2.674	165.41[illegible]	-2.47[illegible]	1.[illegible]	-.01700	.00400	-.51900	.10400	-.12213	-.12254	-.12570	-.12775
2.674	166.950	-2.44[illegible]	1.[illegible]	.00500	-.00500	-.60000	.12500	-.11810	-.12014	-.12218	-.12473
2.674	168.720	-2.46800	.01300	.00700	-.00100	-.66400	-.00700	-.11696	-.11798	-.12053	-.12206
2.674	170.110	-2.43700	.01600	.00500	-.00300	-.61400	.01300	-.11396	-.11398	-.11702	-.11804
2.674	171.720	-2.39700	.[illegible]	.03100	-.00200	-.60100	.04900	-.10590	-.10641	-.10993	-.11049
2.674	173.320	-2.35110	.[illegible]	.01900	.00100	-.50700	-.01300	-.09315	-.09672	-.10131	-.10131
2.674	174.920	-2.29700	.[illegible]	.03300	-.00100	-.42200	.03000	-.08204	-.08651	-.09161	-.09110
2.674	176.590	-2.24000	.[illegible]	.02900	-.00100	-.32200	.05400	-.07221	-.07629	-.08037	-.07935
2.674	178.090	-2.15200	.03100	.03100	-.00400	-.22100	.04900	-.06772	-.07027	-.07282	-.07282
2.674	179.980	-2.[illegible]	-.[illegible]	.01800	-.00100	-.03700	.01900	-.06554	-.06717	-.06870	-.06870
2.674	180.150	-2.13300	-.[illegible]	.00500	-.00200	.00500	.02500	-.07642	-.07337	-.07846	-.07846
2.674	181.940	-2.11[illegible]	-.11200	.01900	-.00100	.27000	.08600	-.06928	-.06724	-.06928	-.07030
2.674	183.740	-2.20900	-.16000	.02900	-.00500	.31900	.13500	-.07341	-.07239	-.07290	-.07341
2.674	185.500	-2.31500	-.26100	.02700	-.00100	.42500	.04500	-.07892	-.07790	-.07841	-.07790
2.674	185.950	-2.32600	-.29500	.03700	.00000	.47500	-.00100	-.08669	-.08466	-.08568	-.08517
	GRADIENT	.01322	-.19472	.00134	.00008	-.00876	-.00055	.00179	.00175	.00171	.00188

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE033) / 02 MAY 74)

REFERENCE DATA

SREF = 7.0686 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 90.000
ALPROT = 1.000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = .000 ENGSTK = .000

RUN NO. 347 0 RN/L = 8.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	-5.830	1.18000	-.58100	-.00100	-.00400	-.95600	-.01800	.00000	.00000	.00000	.00000
2.004	-5.400	1.17600	-.52300	-.01000	-.00500	-.88600	-.05600	.00000	.00000	.00000	.00000
2.004	-4.450	1.16200	-.41400	.01900	-.00400	-.64800	-.04800	.00000	.00000	.00000	.00000
2.004	-3.530	1.14800	-.33400	.01500	-.00500	-.42700	-.10200	.00000	.00000	.00000	.00000
2.004	-2.660	1.14100	-.26000	.02500	-.00200	-.29400	-.04100	.00000	.00000	.00000	.00000
2.004	-1.780	1.13200	-.17100	-.00200	-.00100	-.13300	-.04300	.00000	.00000	.00000	.00000
2.004	-.890	1.11900	-.09400	.01100	-.00300	-.01800	-.05300	.00000	.00000	.00000	.00000
2.004	.000	1.10800	-.00800	.01400	-.00200	.06100	-.05700	.00000	.00000	.00000	.00000
2.004	.880	1.11100	.07700	.02100	.00000	.11600	-.02500	.00000	.00000	.00000	.00000
2.004	1.710	1.12000	.14200	.01300	-.00100	.23400	-.03400	.00000	.00000	.00000	.00000
2.004	2.580	1.12700	.22900	.00900	.00000	.37500	-.09100	.00000	.00000	.00000	.00000
2.004	3.430	1.13400	.30000	.01400	-.00200	.52800	-.12100	.00000	.00000	.00000	.00000
2.004	4.260	1.14100	.39100	.01100	-.00300	.70400	-.13500	.00000	.00000	.00000	.00000
2.004	5.090	1.15100	.47400	.02600	-.00400	.92500	-.16800	.00000	.00000	.00000	.00000
2.004	5.930	1.16300	.57300	.01600	-.00600	1.08000	-.20000	.00000	.00000	.00000	.00000
2.004	6.810	1.17200	.67300	.01300	-.00700	1.31700	-.16500	.00000	.00000	.00000	.00000
2.004	7.580	1.18000	.76300	-.01000	-.00900	1.47400	-.09600	.00000	.00000	.00000	.00000
2.004	8.440	1.18300	.91700	-.01410	-.01000	1.69200	-.07300	.00000	.00000	.00000	.00000
2.004	9.270	1.18900	1.05200	-.01700	-.01300	1.91900	-.07000	.00000	.00000	.00000	.00000
2.004	10.100	1.19300	1.21600	-.04600	-.01400	2.19400	-.06800	.00000	.00000	.00000	.00000
2.004	11.720	1.19800	1.58900	-.10500	-.01500	2.67200	.06100	.00000	.00000	.00000	.00000
2.004	13.420	1.19600	2.02300	-.15100	-.02000	3.23600	.15500	.00000	.00000	.00000	.00000
2.004	14.940	1.19100	2.49300	-.22700	-.02500	3.77600	.33700	.00000	.00000	.00000	.00000
2.004	15.980	1.18400	2.82200	-.28000	-.02300	4.08700	.43400	.00000	.00000	.00000	.00000
2.004	17.500	1.18700	3.32200	-.32900	-.02300	4.48000	.48600	.00000	.00000	.00000	.00000
2.004	19.050	1.18900	3.84600	-.36300	-.03500	4.82000	.59600	.00000	.00000	.00000	.00000
2.004	20.630	1.19500	4.35500	-.43400	-.04600	5.03400	.75700	.00000	.00000	.00000	.00000
2.004	22.090	1.20100	4.84600	-.47900	-.05900	5.21000	.74200	.00000	.00000	.00000	.00000
2.004	23.480	1.20900	5.37800	-.53600	-.06500	5.31100	.86600	.00000	.00000	.00000	.00000
2.004	24.960	1.22000	5.94400	-.58900	-.07200	5.45600	.92700	.00000	.00000	.00000	.00000
2.004	26.410	1.23700	6.44900	-.63200	-.07900	5.47800	1.00200	.00000	.00000	.00000	.00000
2.004	27.890	1.24100	7.00300	-.63500	-.08500	5.61600	.92400	.00000	.00000	.00000	.00000
2.004	29.250	1.25300	7.53200	-.66800	-.09200	5.59300	.89000	.00000	.00000	.00000	.00000
2.004	30.710	1.25700	8.07500	-.71700	-.10000	5.56000	.85100	.00000	.00000	.00000	.00000
2.004	32.130	1.26000	8.66100	-.75200	-.10700	5.53800	.84800	.00000	.00000	.00000	.00000
2.004	33.530	1.27400	9.22500	-.72300	-.11200	5.41100	.43600	.00000	.00000	.00000	.00000
2.004	34.980	1.27600	9.80900	-.74800	-.12100	5.42500	.25700	.00000	.00000	.00000	.00000
2.004	36.390	1.28700	10.37200	-.78700	-.13000	5.40700	.28700	.00000	.00000	.00000	.00000
2.004	37.840	1.28700	10.84600	-.83400	-.13800	5.74100	.32900	.00000	.00000	.00000	.00000
2.004	39.240	1.29100	11.35300	-.84200	-.14700	5.98100	.43500	.00000	.00000	.00000	.00000
	GRADIENT	-.00251	.09248	-.00054	.00027	.14035	-.00676	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE033) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
ALPROT =	1.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000

RUN NO. 44/ 0 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.675	-5.990	.93600	-.62500	.00600	-.00500	-1.17300	.00600	.00000	.00000	.00000	.00000
2.675	-5.250	.90100	-.54900	.01000	-.00400	-.99500	.01900	.00000	.00000	.00000	.00000
2.675	-3.420	.88600	-.35100	.01400	-.00200	-.63000	.02800	.00000	.00000	.00000	.00000
2.675	-1.590	.87300	-.19400	-.00200	.00100	-.24900	.00100	.00000	.00000	.00000	.00000
2.675	.100	.86200	-.03000	.00600	.00200	-.03600	.05700	.00000	.00000	.00000	.00000
2.675	1.8[illegible]	.86800	.13000	.01000	.00300	.01900	-.09400	.00000	.00000	.00000	.00000
2.675	3.[illegible]	.87600	.29300	.03700	-.00300	.552[illegible]	-.07700	.00000	.00000	.00000	.00000
2.675	5.[illegible]	.866[illegible]	.47[illegible]	.02100	-.01200	.995[illegible]	-.[illegible]100	.00000	.00000	.00000	.00000
2.675	[illegible]3	.9[illegible]	.682[illegible]	.0[illegible]	-.0[illegible]	1.417[illegible]	-.[illegible]	.00000	.00000	.00000	.00000
2.675	8.[illegible]	.92[illegible]	.964	-.0[illegible]	-.01[illegible]	1.835[illegible]	-.052[illegible]	.00000	.00000	.00000	.00000
[illegible]	[illegible]	.926	[illegible]	-.069[illegible]	-.014[illegible]	2.199[illegible]	.[illegible]	.00000	.00000	.00000	.00000
[illegible]	[illegible]	[illegible]	[illegible]	-.[illegible]	-.018[illegible]	2.47400	.[illegible]	[illegible]	.00000	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-.02[illegible]	2.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	-.[illegible]	-.0[illegible]	2.9[illegible]	.3410[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2.675	[illegible]	[illegible]	[illegible]	-.[illegible]	-.02900	3.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2.675	[illegible]	[illegible]	[illegible]	-.[illegible]	-.03900	3.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2.675	[illegible]	[illegible]	3.[illegible]	-.27900	-.04800	3.33[illegible]	[illegible]	.00000	[illegible]	[illegible]	[illegible]
2.675	[illegible]	[illegible]	[illegible]	-.32100	-.04[illegible]	3.39400	.49900	.00000	.00000	.00000	.00000
2.675	22.[illegible]	1.[illegible]	4.[illegible]	-.[illegible]	-.05500	3.42000	.55300	[illegible]	.00000	.00000	[illegible]
2.675	[illegible]	1.[illegible]	5.[illegible]	-.[illegible]	-.05800	3.47900	.47[illegible]	[illegible]	.00000	[illegible]	.00000
2.675	[illegible]	1.[illegible]	5.6[illegible]	[illegible]	-.06500	3.44600	.59[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2.675	26.[illegible]	1.06[illegible]	6.182[illegible]	-.45400	-.07000	3.56400	.55500	.00000	.00000	.00000	.00000
2.675	28.[illegible]	1.[illegible]	6.66[illegible]	-.46[illegible]	-.07700	3.45500	.63500	.00000	.00000	.00000	.00000
2.675	[illegible]420	1.[illegible]	7.16[illegible]	-.46800	-.08400	3.45300	.51000	.00000	.00000	.00000	.00000
2.675	[illegible]	1.[illegible]	7.[illegible]	-.47200	-.09100	3.47500	.41500	.00000	.00000	.00000	.00000
2.675	32.210	1.142[illegible]	8.14[illegible]	-.47[illegible]	-.09300	3.53100	.49900	.00000	.00000	.00000	.00000
2.675	33.440	1.[illegible]	8.54[illegible]	-.48400	-.1[illegible]400	3.[illegible]9500	.31900	.00000	.00000	.00000	.00000
2.675	34.[illegible]	1.[illegible]	9.[illegible]	-.48300	-.1[illegible]	3.8[illegible]	.3[illegible]300	.00000	.00000	.00000	.00000
2.675	36.[illegible]	1.[illegible]200	9.[illegible]	-.50[illegible]	-.11700	3.678[illegible]	.4[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2.675	37.[illegible]	1.2[illegible]	9.97[illegible]	-.[illegible]	-.12000	3.[illegible]	.22700	[illegible]	[illegible]	[illegible]	.00000
2.675	3[illegible]	1.214[illegible]	10.4[illegible]	-.034[illegible]	-.13000	4.0[illegible]500	.[illegible]	[illegible]	.00000	.00000	.00000
	GRADIENT	-.00149	.0330[illegible]	.[illegible]230	.00001	.16416	-.01[illegible]	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE034) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
ALPLIT =	1.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000

RUN NO. 34/ 1 RN/L = 2.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	40.830	1.28600	11.92700	-.86400	-.15500	6.06400	.30600	.00000	.00000	.00000	.00000
2.004	42.020	1.28800	12.34500	-.87800	-.16000	6.19500	.34200	.00000	.00000	.00000	.00000
2.004	43.410	1.29200	12.87600	-.90200	-.17000	6.30000	.31100	.00000	.00000	.00000	.00000
2.004	44.770	1.29800	13.39800	-.92600	-.17700	6.42700	.38200	.00000	.00000	.00000	.00000
2.004	46.400	1.28700	13.99500	-.93300	-.18700	6.64700	.38100	.00000	.00000	.00000	.00000
2.004	47.680	1.27500	14.43500	-.95400	-.19500	6.85400	.44200	.00000	.00000	.00000	.00000
2.004	49.060	1.25200	14.89600	-.97400	-.20400	7.06600	.39500	.00000	.00000	.00000	.00000
2.004	50.510	1.25100	15.38600	-1.02200	-.21200	7.27900	.53200	.00000	.00000	.00000	.00000
2.004	51.910	1.23600	15.84700	-1.03500	-.22100	7.61300	.51000	.00000	.00000	.00000	.00000
2.004	53.050	1.22600	16.17000	-1.07400	-.22600	7.80300	.59800	.00000	.00000	.00000	.00000
2.004	54.460	1.21000	16.59500	-1.12700	-.23400	8.11600	.68600	.00000	.00000	.00000	.00000
2.004	55.890	1.19000	17.00800	-1.16200	-.24300	8.39300	.72900	.00000	.00000	.00000	.00000
2.004	57.370	1.16900	17.40300	-1.22000	-.25100	8.64300	.82100	.00000	.00000	.00000	.00000
2.004	58.880	1.13300	17.79200	-1.26500	-.26300	8.92200	.86500	.00000	.00000	.00000	.00000
2.004	60.360	1.09300	18.18500	-1.28400	-.26800	9.21500	.79200	.00000	.00000	.00000	.00000
2.004	61.820	1.04400	18.53500	-1.34100	-.27700	9.41600	.83100	.00000	.00000	.00000	.00000
2.004	63.300	.99700	18.91400	-1.37700	-.28500	9.60900	.80200	.00000	.00000	.00000	.00000
2.004	64.870	.94400	19.30200	-1.41800	-.29500	9.89100	.76300	.00000	.00000	.00000	.00000
2.004	66.350	.89100	19.65200	-1.39500	-.29600	9.95500	.93400	.00000	.00000	.00000	.00000
2.004	67.890	.82700	19.91600	-1.27500	-.28100	9.97800	.88700	.00000	.00000	.00000	.00000
2.004	69.450	.76000	20.25100	-1.31300	-.28600	10.00800	.81100	.00000	.00000	.00000	.00000
2.004	71.060	.68900	20.51400	-1.33500	-.28700	10.07000	.85000	.00000	.00000	.00000	.00000
2.004	72.650	.61000	20.77900	-1.36200	-.29000	10.09700	.78000	.00000	.00000	.00000	.00000
2.004	74.310	.53000	21.01500	-1.35900	-.29400	10.10100	.66200	.00000	.00000	.00000	.00000
2.004	75.530	.46400	21.18900	-1.34300	-.29500	10.08700	.61500	.00000	.00000	.00000	.00000
2.004	77.060	.38400	21.40700	-1.34500	-.29900	10.06100	.49700	.00000	.00000	.00000	.00000
2.004	79.440	.22000	21.68500	-1.33300	-.29800	9.89300	.35200	.00000	.00000	.00000	.00000
2.004	81.040	.08200	21.87800	-1.33800	-.30200	9.62300	.28500	.00000	.00000	.00000	.00000
2.004	82.840	-.05500	21.97700	-1.31600	-.30400	9.40400	.19200	.00000	.00000	.00000	.00000
2.004	84.460	-.18200	22.06000	-1.35500	-.30500	9.11200	.26000	.00000	.00000	.00000	.00000
2.004	85.870	-.27600	22.14100	-1.35000	-.30600	8.88400	.24800	.00000	.00000	.00000	.00000
2.004	87.300	-.36900	22.13700	-1.34600	-.30200	8.72300	.21300	.00000	.00000	.00000	.00000
2.004	89.210	-.47500	22.14300	-1.31900	-.29400	8.40600	.05100	.00000	.00000	.00000	.00000
	GRADIENT	-.03627	.21760	-.01058	-.00307	.07068	-.00297	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE034) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.
LREF =	3.0000 IN.	YMRP =	.0000 IN.
BREF =	3.0000 IN.	ZMRP =	.0000 IN.
SCALE =	.0211		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
ALPROT =	1.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000

RUN NO. 44/ 1 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALP.IA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.675	40.360	1.22300	10.93300	-.56300	-.13700	4.21400	.39600	.00000	.00000	.00000	.00000
2.675	41.800	1.22700	11.42000	-.60600	-.14300	4.50400	.42600	.00000	.00000	.00000	.00000
2.675	43.170	1.23600	11.91000	-.63300	-.14800	4.61200	.43400	.00000	.00000	.00000	.00000
2.675	44.540	1.24300	12.39400	-.65200	-.15400	4.76700	.46500	.00000	.00000	.00000	.00000
2.675	45.950	1.25700	12.87900	-.67800	-.16100	4.85600	.48200	.00000	.00000	.00000	.00000
2.675	47.340	1.27100	13.33600	-.71700	-.16600	5.04500	.46300	.00000	.00000	.00000	.00000
2.675	48.730	1.28200	13.79100	-.73100	-.16900	5.21700	.52700	.00000	.00000	.00000	.00000
2.675	50.160	1.28400	14.22300	-.74200	-.17700	5.43600	.51200	.00000	.00000	.00000	.00000
2.675	51.580	1.28400	14.65200	-.75800	-.18100	5.78000	.54600	.00000	.00000	.00000	.00000
2.675	52.960	1.27900	15.04400	-.77700	-.18000	6.04700	.50600	.00000	.00000	.00000	.00000
2.675	54.[illegible]	1.27200	15.46600	-.82100	-.19500	6.34300	.55400	.00000	.00000	.00000	.00000
2.675	56.[illegible]	1.26300	15.87300	-.83600	-.20200	6.70700	.51900	.00000	.00000	.00000	.00000
2.675	57.[illegible]	1.25100	16.28600	-.85300	-.21000	7.08700	.50900	.00000	.00000	.00000	.00000
2.675	59.[illegible]	1.24000	16.69800	-.86100	-.21400	7.40000	.49300	.00000	.00000	.00000	.00000
2.675	60.250	1.24200	16.03400	-.88000	-.21800	7.67900	.50200	.00000	.00000	.00000	.00000
2.675	61.730	1.23600	17.25200	-.91100	-.21500	7.96900	.46600	.00000	.00000	.00000	.00000
2.675	63.190	1.04900	17.55800	-.90100	-.21300	8.22700	.46600	.00000	.00000	.00000	.00000
2.675	64.780	.99400	17.85900	-.89900	-.21500	8.36300	.47100	.00000	.00000	.00000	.00000
2.675	66.210	.94200	18.13700	-.91900	-.22000	8.48800	.50100	.00000	.00000	.00000	.00000
2.675	67.770	.89000	18.40500	-.91200	-.22300	8.58600	.41300	.00000	.00000	.00000	.00000
2.675	69.350	.83400	18.66800	-.91700	-.22500	8.66300	.43100	.00000	.00000	.00000	.00000
2.675	70.880	.79700	18.79700	-.91800	-.22700	8.68100	.48300	.00000	.00000	.00000	.00000
2.675	71.740	.73200	19.04700	-.92600	-.23100	8.74400	.42200	.00000	.00000	.00000	.00000
2.675	73.360	.67800	19.29800	-.91200	-.23500	8.73900	.38300	.00000	.00000	.00000	.00000
2.675	74.670	.61600	19.47500	-.91200	-.23700	8.74700	.30800	.00000	.00000	.00000	.00000
2.675	76.407	.53900	19.68400	-.88300	-.23900	8.68400	.24100	.00000	.00000	.00000	.00000
2.675	78.110	.46600	19.88100	-.87600	-.23700	8.66400	.30800	.00000	.00000	.00000	.00000
2.675	79.750	.38300	20.06800	-.85900	-.23800	8.68200	.24400	.00000	.00000	.00000	.00000
2.675	81.480	.29000	20.28100	-.83200	-.24000	8.73900	.12900	.00000	.00000	.00000	.00000
2.675	84.640	.10600	20.61000	-.84600	-.23900	8.69900	-.04200	.00000	.00000	.00000	.00000
2.675	86.530	-.03000	20.70.00	-.78600	-.23900	8.62200	-.11700	.00000	.00000	.00000	.00000
2.675	88.430	-.14300	20.71700	-.79700	-.23800	8.25500	-.16200	.00000	.00000	.00000	.00000
	GRADIENT	-.02797	.20749	-.00512	-.00219	.10481	-.01122	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED MODEL) (RGE035) (02 MAY 74)

REFERENCE DATA

SREF = 7.0630 SQ.IN. XMRP = 20.6340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 90.000
ALPROT = 1.000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = .000 ENGSTK = .000

RUN NO. 47/ 0 RN/L = 2.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	-.020	1.17800	-.21100	-.04500	-.00500	.35500	.11800	.00000	.00000	.00000	.00000
2.004	2.260	1.20500	-.05300	-.04500	-.00400	.80000	.06800	.00000	.00000	.00000	.00000
2.004	4.510	1.22700	.18000	-.04900	-.00400	1.09500	.05300	.00000	.00000	.00000	.00000
2.004	6.740	1.23500	.48300	-.01000	-.00500	1.61000	-.04900	.00000	.00000	.00000	.00000
2.004	9.290	1.24200	.87600	-.03200	-.02400	2.05800	-.07000	.00000	.00000	.00000	.00000
2.004	11.900	1.23000	1.45700	-.09800	-.03000	2.60100	-.01100	.00000	.00000	.00000	.00000
2.004	14.690	1.21200	2.25200	-.15100	-.03000	3.24300	.04100	.00000	.00000	.00000	.00000
2.004	17.220	1.21900	3.02500	-.25200	-.02900	3.90000	.16400	.00000	.00000	.00000	.00000
2.004	18.950	1.22900	3.55700	-.29800	-.03000	4.35300	.22200	.00000	.00000	.00000	.00000
2.004	22.270	1.25000	4.58500	-.43600	-.03200	5.18000	.45300	.00000	.00000	.	.00000
2.004	25.460	1.26700	5.61700	-.57800	-.04600	5.89900	.72200	.00000	.00000	.00000	.00000
2.004	28.320	1.27900	6.68900	-.69000	-.06800	00900	.92300	.00000	.00000	.00000	.00000
2.004	31.340	1.27100	7.80700	-.78400	-.09300	5.95800	.76000	.00000	.00000	.00000	.00000
2.004	34.140	1.27900	9.01500	-.79900	-.10800	5.91100	.35800	.00000	.00000	.00000	.00000
2.004	36.940	1.26900	10.11600	-.89400	-.11900	6.02800	.29300	.00000	.00000	.00000	.00000
2.004	39.780	1.30500	11.19900	-.91100	-.13900	6.13300	.40100	.00000	.00000	.00000	.00000
	GRADIENT	.01082	.08628	-.00088	.00022	.16343	-.01437	.00000	.00000	.00000	.00000

RUN NO. 48/ 0 RN/L = 2.34 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.675	.110	.95900	-.14700	-.03600	-.01000	.49500	.08700	.00000	.00000	.00000	.00000
2.675	2.720	.96800	.05400	-.04100	-.	1.12000	-.00300	.00000	.00000	.00000	.00000
2.675	4.920	.97300	.28300	-.02000	-.00800	1.45300	.00000	.00000	.00000	.00000	.00000
2.675	7.380	.97400	.61100	-.00100	-.01800	1.94900	-.06100	.00000	.00000	.00000	.00000
2.675	10.060	.96100	1.20600	-.06800	-.03300	2.24700	.05500	.00000	.00000	.00000	.00000
2.675	12.220	.97700	1.74200	-.10200	-.02500	2.56100	.07000	.00000	.00000	.00000	.00000
2.675	14.830	.98800	2.41100	-.15400	-.02600	3.11600	.07800	.00000	.00000	.00000	.00000
2.675	17.100	.99700	3.03600	-.20000	-.02700	3.60400	.15300	.00000	.00000	.00000	.00000
2.675	18.800	1.02100	3.45700	-.25600	-.03300	3.74300	.20600	.00000	.00000	.00000	.00000
2.675	22.030	1.03900	4.36100	-.40200	-.04800	4.07000	.44100	.00000	.00000	.00000	.00000
2.675	25.170	1.09100	5.36800	-.46400	-.06300	4.09200	.54700	.00000	.00000	.00000	.00000
2.675	28.140	1.12600	6.37700	-.52100	-.07600	4.03500	.39200	.00000	.00000	.00000	.00000
2.675	30.980	1.16800	7.43500	-.56500	-.08700	4.29800	.33200	.00000	.00000	.00000	.00000
2.675	33.970	1.20200	8.41100	-.57500	-.10100	4.19700	.10800	.00000	.00000	.00000	.00000
2.675	36.690	1.24700	9.40200	-.59400	-.11500	4.37600	.30600	.00000	.00000	.00000	.00000
2.675	39.540	1.28400	10.41900	-.61700	-.12700	4.42900	.23500	.00000	.00000	.00000	.00000
	GRADIENT	.00293	.08902	.00317	.00041	.20041	-.01859	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED MODEL) (RGE038) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
ALPROT =	1.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000

RUN NO. 47/ 1 RN/L = 2.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	42.470	1.32100	12.25900	-.93400	-.15800	6.29300	.34800	.00000	.00000	.00000	.00000
2.004	45.310	1.32900	13.30000	-.98400	-.17400	6.38100	.40500	.00000	.00000	.00000	.00000
2.004	48.040	1.32000	14.28400	-1.00400	-.19200	6.85000	.42400	.00000	.00000	.00000	.00000
2.004	49.600	1.30500	14.77600	-1.02900	-.20300	6.91400	.40000	.00000	.00000	.00000	.00000
2.004	50.895	1.29500	15.23500	-1.04700	-.20800	7.18900	.47300	.00000	.00000	.00000	.00000
2.004	52.120	1.27300	15.66500	-1.06200	-.21600	7.63900	.45700	.00000	.00000	.00000	.00000
2.004	53.540	1.26100	16.09000	-1.11900	-.22600	7.89400	.55800	.00000	.00000	.00000	.00000
2.004	54.640	1.25200	16.48000	-1.10900	-.23300	7.88700	.71600	.00000	.00000	.00000	.00000
2.004	55.930	1.23700	16.80400	-1.23000	-.23900	8.12700	.68400	.00000	.00000	.00000	.00000
2.004	57.560	1.25600	17.17500	-1.26400	-.24500	8.40700	.61500	.00000	.00000	.00000	.00000
2.004	58.980	1.24900	17.53700	-1.29000	-.25200	8.58800	.75000	.00000	.00000	.00000	.00000
2.004	60.430	1.21700	17.88100	-1.34500	-.26100	8.79700	.78000	.00000	.00000	.00000	.00000
2.004	61.770	1.19700	18.23100	-1.38600	-.26900	8.97600	.81000	.00000	.00000	.00000	.00000
2.004	63.190	1.15700	18.55900	-1.39300	-.27500	9.22900	.77100	.00000	.00000	.00000	.00000
2.004	64.610	1.15400	18.89100	-1.44100	-.28300	9.34600	.79500	.00000	.01000	.00000	.00000
2.004	65.900	1.10700	19.23100	-1.45500	-.28900	9.69200	.81700	.00000	.00000	.00000	.00000
2.004	67.460	1.08800	19.53700	-1.44300	-.29200	9.72900	.84400	.00000	.00000	.00000	.00000
2.004	68.840	1.05100	19.84100	-1.46500	-.29900	9.83500	.89000	.00000	.00000	.00000	.00000
2.004	70.260	1.01200	20.17600	-1.47300	-.30500	9.79700	.86600	.00000	.00000	.00000	.00000
2.004	71.840	.96600	20.53100	-1.47200	-.31200	9.97400	.88000	.00000	.00000	.00000	.00000
2.004	73.270	.89300	20.51100	-1.51600	-.29600	10.07700	.70600	.00000	.00000	.00000	.00000
2.004	74.580	.83700	20.64700	-1.28200	-.29300	9.89400	.80400	.00000	.00000	.00000	.00000
2.004	75.150	.79900	20.83100	-1.27900	-.28500	9.90100	.64400	.00000	.00000	.00000	.00000
2.004	77.690	.75400	20.99700	-1.28800	-.28700	9.85900	.71100	.00000	.00000	.00000	.00000
2.004	79.200	.71700	21.11200	-1.29800	-.28900	9.80900	.72600	.00000	.00000	.00000	.00000
2.004	80.710	.66700	21.31900	-1.28800	-.29000	9.80800	.75600	.00000	.00000	.00000	.00000
2.004	82.230	.61200	21.41300	-1.28000	-.29300	9.55400	.80700	.00000	.00000	.00000	.00000
2.004	83.720	.55300	21.50900	-1.26900	-.29300	9.32200	.86700	.00000	.00000	.00000	.00000
2.004	85.240	.49600	21.57200	-1.2260	-.29300	9.23700	.82300	.00000	.00000	.00000	.00000
2.004	86.680	.45000	21.61100	-1.23100	-.29200	9.05100	.84400	.00000	.00000	.00000	.00000
2.004	88.560	.41900	21.61500	-1.29800	-.29100	8.78400	.83100	.00000	.00000	.00000	.00000
2.004	90.260	.38200	21.57500	-1.26300	-.28700	8.56900	-.26700	.00000	.00000	.00000	.00000
2.004	91.950	.40300	21.52700	-1.25100	-.29200	8.26700	-.16200	.00000	.00000	.00000	.00000
2.004	92.850	.27100	21.53200	-1.24900	-.28100	8.25000	-.21700	.00000	.00000	.00000	.00000
2.004	94.120	.17300	21.42900	-1.22400	-.27800	7.93100	-.32100	.00000	.00000	.00000	.00000
2.004	95.820	.04100	21.32400	-1.22700	-.27900	7.48900	-.35700	.00000	.00000	.00000	.00000
2.004	96.410	.07500	21.27900	-1.21700	-.27900	7.36600	-.39400	.00000	.00000	.00000	.00000
2.004	97.850	.03900	21.18000	-1.21300	-.27700	7.11900	-.35400	.00000	.00000	.00000	.00000
	SREF/SA	-.02620	.15404	-.01320	-.00177	.02131	-.01629	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED MODEL) (RGE036) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 90.000
ALPROT = 1.000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = .000 ENGSTK = .000

RUN NO. 48/ 1 RN/L = 2.34 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.675	42.220	1.30700	11.42800	-.64200	-.14100	4.82800	.24900	.00000	.00000	.00000	.00000
2.675	44.970	1.32200	12.39400	-.67700	-.15200	4.97300	.29000	.00000	.00000	.00000	.00000
2.675	47.830	1.33200	13.29100	-.70800	-.16200	4.80600	.30400	.00000	.00000	.00000	.00000
2.675	50.470	1.34000	14.17700	-.76700	-.17500	5.54300	.41900	.00000	.00000	.00000	.00000
2.675	53.250	1.35700	14.99200	-.78800	-.18400	5.90500	.37700	.00000	.00000	.00000	.00000
2.675	55.860	1.36700	15.18800	-.82000	-.18600	6.10700	.30000	.00000	.00000	.00000	.00000
2.675	55.230	1.36000	15.57700	-.81400	-.19600	6.34000	.29700	.00000	.00000	.00000	.00000
2.675	56.610	1.34200	15.94600	-.82600	-.20300	6.78000	.32100	.00000	.00000	.00000	.00000
2.675	57.920	1.32000	16.29500	-.83800	-.21000	7.17800	.28700	.00000	.00000	.00000	.00000
2.675	59.370	1.27600	16.64300	-.86400	-.21400	7.30000	.44800	.00000	.00000	.00000	.00000
2.675	60.830	1.25400	17.00400	-.89300	-.22000	7.50100	.33600	.00000	.00000	.00000	.00000
2.675	62.390	1.21200	17.31400	-.91500	-.22300	7.93000	.42400	.00000	.00000	.00000	.00000
2.675	63.910	1.17900	17.63800	-.91100	-.22300	8.31500	.37200	.00000	.00000	.00000	.00000
2.675	64.980	1.13500	17.93400	-.90800	-.22400	8.46700	.32900	.00000	.00000	.00000	.00000
2.675	66.470	1.10200	18.22700	-.92800	-.23100	8.41600	.38500	.00000	.00000	.00000	.00000
2.675	67.770	1.05900	18.51200	-.94600	-.23800	8.81800	.45200	.00000	.00000	.00000	.00000
2.675	69.330	1.01400	18.78800	-.95400	-.24400	8.62900	.32500	.00000	.00000	.00000	.00000
2.675	70.730	.96900	19.05800	-1.00000	-.25000	8.85100	.49700	.00000	.00000	.00000	.00000
2.675	72.170	.91600	19.28300	-.98800	-.25000	8.94200	.47900	.00000	.00000	.00000	.00000
2.675	73.610	.87900	19.43500	-.92500	-.23000	8.91400	.36600	.00000	.00000	.00000	.00000
2.675	75.090	.82600	19.63600	-.88800	-.22900	9.09500	.27000	.00000	.00000	.00000	.00000
2.675	76.540	.80800	19.81000	-.89800	-.22800	9.18600	.26600	.00000	.00000	.00000	.00000
2.675	78.030	.75700	19.97600	-.89100	-.23000	9.12300	.22700	.00000	.00000	.00000	.00000
2.675	79.620	.70400	20.12000	-.88400	-.23100	8.97000	.16900	.00000	.00000	.00000	.00000
2.675	81.180	.65700	20.24800	-.89200	-.23100	8.82600	.12900	.00000	.00000	.00000	.00000
2.675	82.650	.60800	20.34200	-.88200	-.23000	8.90600	.02100	.00000	.00000	.00000	.00000
2.675	84.190	.54400	20.41600	-.87000	-.23000	8.75000	.04300	.00000	.00000	.00000	.00000
2.675	85.740	.49700	20.46100	-.85200	-.22900	8.66900	.01500	.00000	.00000	.00000	.00000
2.675	87.430	.43400	20.48400	-.82000	-.22900	8.43200	-.10100	.00000	.00000	.00000	.00000
2.675	89.030	.38200	20.49100	-.81300	-.22700	8.23000	-.12800	.00000	.00000	.00000	.00000
2.675	90.700	.30700	20.47200	-.81400	-.22400	7.86900	-.08300	.00000	.00000	.00000	.00000
2.675	91.030	.30100	20.46700	-.80500	-.22500	7.85000	-.19300	.00000	.00000	.00000	.00000
2.675	92.540	.24100	20.41100	-.82000	-.22000	7.44800	-.20800	.00000	.00000	.00000	.00000
2.675	94.210	.16900	20.33100	-.80300	-.22100	7.19600	-.15200	.00000	.00000	.00000	.00000
2.675	95.960	.09200	20.23800	-.80800	-.22200	6.82700	-.16100	.00000	.00000	.00000	.00000
2.675	97.260	.02700	20.06700	-.78700	-.22200	6.57700	-.19500	.00000	.00000	.00000	.00000
2.675	98.640	-.05900	19.88500	-.80300	-.22100	6.29800	-.15100	.00000	.00000	.00000	.00000
2.675	100.590	-.16700	19.65500	-.78000	-.21800	5.94600	-.16000	.00000	.00000	.00000	.00000
	GRADIENT	-.02758	.13800	-.00072	-.00096	.03169	-.01143	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED MODEL) (RGE037) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.
LREF =	3.0000 IN.	YMRP =	.0000 IN.
BREF =	3.0000 IN.	ZMRP =	.0000 IN.
SCALE =	.0211		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
ALPROT =	1.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000

RUN NO. 48/ 0 RN/L = 2.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	79.360	.74800	21.01200	-1.02900	-.26300	10.33200	.47200	.00000	.00000	.00000	.00000
2.004	80.980	.71000	21.19000	-1.02400	-.25600	9.29100	.48500	.00000	.00000	.00000	.00000
2.004	82.510	.67000	21.29400	-1.02200	-.26800	8.62800	.33900	.00000	.00000	.00000	.00000
2.004	83.610	.61100	21.33900	-1.02900	-.27000	9.17800	.33000	.00000	.00000	.00000	.00000
2.004	84.950	.55200	21.41500	-1.02700	-.26900	8.71800	.29100	.00000	.00000	.00000	.00000
2.004	86.620	.50000	21.43700	-1.04500	-.26800	8.50300	.13000	.00000	.00000	.00000	.00000
2.004	88.460	.42100	21.45100	-1.01900	-.26700	8.54600	.16300	.00000	.00000	.00000	.00000
2.004	90.380	.33100	21.40400	-1.01100	-.26500	9.38700	-.02800	.00000	.00000	.00000	.00000
2.004	91.600	.24800	21.35900	-1.01700	-.26600	9.93100	-.04200	.00000	.00000	.00000	.00000
2.004	93.180	.18700	21.31000	-1.02500	-.26300	9.19800	-.13500	.00000	.00000	.00000	.00000
2.004	94.050	.12500	21.23400	-1.02400	-.26300	8.63000	-.17700	.00000	.00000	.00000	.00000
2.004	96.210	.04200	21.11100	-1.01500	-.26600	8.77000	-.24400	.00000	.00000	.00000	.00000
2.004	97.150	-.01500	21.07400	-1.02600	-.26600	8.67300	-.33400	.00000	.00000	.00000	.00000
2.004	99.320	-.11400	20.98600	-1.01600	-.26500	8.46400	-.24900	.00000	.00000	.00000	.00000
2.004	100.000	-.21300	20.92100	-1.01400	-.26400	8.01600	-.38700	.00000	.00000	.00000	.00000
2.004	101.920	-.29100	20.81200	-1.02200	-.26200	7.18700	-.37100	.00000	.00000	.00000	.00000
2.004	103.130	-.37800	20.74200	-1.01900	-.26700	6.89200	-.29600	.00000	.00000	.00000	.00000
2.004	104.850	-.45500	20.62200	-1.03700	-.26900	6.32400	-.45600	.00000	.00000	.00000	.00000
2.004	106.210	-.53300	19.87300	-1.09000	-.28400	6.81900	-.62300	.00000	.00000	.00000	.00000
2.004	107.700	-.67200	19.53400	-1.15900	-.23300	6.38200	-.86300	.00000	.00000	.00000	.00000
2.004	108.290	-.75300	19.23200	-1.20500	-.29400	6.42400	-1.00900	.00000	.00000	.00000	.00000
2.004	110.610	-.89300	18.90000	-1.21100	-.28800	6.49100	-1.08900	.00000	.00000	.00000	.00000
2.004	112.460	-.99400	18.56900	-1.18600	-.28200	6.22000	-1.12600	.00000	.00000	.00000	.00000
2.004	113.760	-1.09300	18.23600	-1.13700	-.27100	4.93700	-1.13600	.00000	.00000	.00000	.00000
2.004	113.610	-1.11100	18.20600	-1.13300	-.27000	5.57000	-1.12600	.00000	.00000	.00000	.00000
2.004	115.000	-1.21900	17.96600	-1.11600	-.26600	5.57000	-1.16200	.00000	.00000	.00000	.00000
2.004	116.83	-1.31900	17.63200	-1.08600	-.25900	4.90400	-1.22900	.00000	.00000	.00000	.00000
2.004	118.270	-1.40400	17.18400	-1.06100	-.25700	4.64900	-1.07100	.00000	.00000	.00000	.00000
2.004	119.570	-1.46400	16.80600	-1.02100	-.24700	2.97200	-1.16400	.00000	.00000	.00000	.00000
2.004	120.950	-1.55600	16.35400	-.99500	-.24100	3.73200	-1.13900	.00000	.00000	.00000	.00000
2.004	122.540	-1.64700	15.81200	-1.00200	-.22900	1.57600	-1.18300	.00000	.00000	.00000	.00000
2.004	123.860	-1.72600	15.36000	-1.00200	-.21900	1.13800	-1.21600	.00000	.00000	.00000	.00000
2.004	125.090	-1.85500	14.96900	-.97600	-.21400	1.09000	-1.15800	.00000	.00000	.00000	.00000
2.004	126.130	-1.88200	14.61300	-.99200	-.21700	.43600	-1.06100	.00000	.00000	.00000	.00000
2.004	127.89	-1.99100	14.23400	-.96700	-.20400	.67700	-.99600	.00000	.00000	.00000	.00000
2.004	129.760	-2.06000	13.81800	-.94900	-.19800	.21100	-.97400	.00000	.00000	.00000	.00000
2.004	131.320	-2.14000	13.35400	-.92100	-.19200	-.07900	-.95800	.00000	.00000	.00000	.00000
2.004	132.440	-2.19700	12.95300	-.91200	-.18600	-.12100	-.88100	.00000	.00000	.00000	.00000
2.004	133.880	-2.27100	12.47900	-.89400	-.18100	.32.00	-.84300	.00000	.00000	.00000	.00000
2.004	134.910	-2.33600	12.05100	-.85000	-.17500	-.28500	-.84300	.00000	.00000	.00000	.00000
2.004	135.410	-2.37200	11.58400	-.82700	-.17200	.00930	-.85100	.00000	.00000	.00000	.00000
	GRADIENT	-.04920	-.17781	.02174	.00151	-.19911	-.02898	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(SIDE MOUNTED MODEL) (RGE037) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 90.000
ALPROT = 1.000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = .000 ENGSTK = .000

RUN NO. 45/ 0 RN/L = 8.34 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.675	79.630	.71100	19.97300	-.59800	-.21100	9.34300	.20800	.	.00000	.	.00000
2.675	81.160	.68800	20.16300	-.59200	-.21000	8.24200	.12000	.	.00000	.00000	.
2.675	82.770	.60600	20.28900	-.61500	-.21300	8.97500	.11500	.	.00000	.00000	.00000
2.675	83.980	.55500	20.36000	-.60900	-.21300	9.20800	.06200	.00000	.00000	.00000	.00000
2.675	85.030	.52000	20.40100	-.58800	-.21200	9.03400	.05100	.00000	.00000	.00000	.00000
2.675	86.770	.49000	20.44700	-.60000	-.21000	7.65900	.01900	.00000	.00000	.00000	.00000
2.675	88.530	.41900	20.46300	-.58800	-.21000	8.13800	-.06200	.00000	.00000	.00000	.00000
2.675	90.060	.35200	20.45700	-.57300	-.20900	7.96400	-.06600	.00000	.00000	.00000	.00000
2.675	91.730	.30800	20.43200	-.56600	-.20700	7.10100	-.03800	.00000	.00000	.00000	.00000
2.675	93.400	.22500	20.37000	-.56400	-.20400	7.40400	-.15800	.00000	.00000	.00000	.00000
2.675	94.680	.15200	20.29600	-.56200	-.21000	7.25700	-.08800	.00000	.00000	.00000	.00000
2.675	96.490	.09100	20.15000	-.54700	-.21100	6.78100	-.08600	.00000	.00000	.00000	.00000
2.675	98.000	.00800	20.00200	-.54700	-.21000	6.52800	-.10300	.00000	.00000	.00000	.00000
2.675	99.520	-.06300	19.82800	-.55300	-.20800	6.32700	-.16600	.00000	.00000	.00000	.00000
2.675	101.020	-.14200	19.64500	-.54100	-.20800	6.19100	-.14500	.00000	.00000	.00000	.00000
2.675	102.540	-.22800	19.44200	-.53800	-.20800	5.84600	-.13300	.00000	.00000	.00000	.00000
2.675	104.030	-.30900	19.20100	-.52500	-.20800	5.36400	-.17200	.00000	.00000	.00000	.00000
2.675	105.540	-.39400	18.95900	-.53200	-.20800	5.41100	-.18600	.00000	.00000	.00000	.00000
2.675	106.960	-.46600	18.70100	-.52400	-.21100	3.89600	-.12900	.00000	.00000	.00000	.00000
2.675	108.400	-.57900	18.43200	-.54600	-.21400	4.44800	-.23100	.00000	.00000	.00000	.00000
2.675	109.740	-.70200	18.15200	-.57200	-.21700	4.59400	-.38700	.00000	.00000	.00000	.00000
2.675	111.120	-.77200	17.85700	-.55100	-.22200	3.30000	-.25400	.00000	.00000	.00000	.00000
2.675	112.400	-.88600	17.54300	-.56600	-.21800	3.45700	-.39000	.00000	.00000	.00000	.00000
2.675	113.590	-1.01000	17.22000	-.55600	-.21400	2.60800	-.37800	.00000	.00000	.00000	.00000
2.675	114.370	-1.12200	16.89600	-.52300	-.21300	2.92800	-.24100	.00000	.00000	.00000	.00000
2.675	116.910	-1.23100	16.51700	-.51300	-.20500	2.99900	-.35400	.00000	.00000	.00000	.00000
2.675	118.240	-1.35300	16.14600	-.49900	-.20000	3.10100	-.36600	.00000	.00000	.00000	.00000
2.675	119.170	-1.47600	15.78200	-.49200	-.19400	3.13400	-.45000	.00000	.00000	.00000	.00000
2.675	121.050	-1.56200	15.37700	-.45800	-.19100	3.08300	-.38700	.00000	.00000	.00000	.00000
2.675	122.040	-1.62200	15.10900	-.45900	-.18900	2.82300	-.37400	.00000	.00000	.00000	.00000
2.675	123.420	-1.72500	14.67400	-.47000	-.18700	3.03500	-.41500	.00000	.00000	.00000	.00000
2.675	124.780	-1.81400	14.23900	-.45000	-.18200	1.91400	-.38500	.00000	.00000	.00000	.00000
2.675	126.170	-1.96100	13.78900	-.44700	-.18100	3.44400	-.43200	.00000	.00000	.00000	.00000
2.675	127.590	-2.05300	13.35200	-.43600	-.17600	2.55200	-.38900	.00000	.00000	.00000	.00000
2.675	128.960	-2.17900	12.87300	-.41400	-.17300	3.44500	-.35300	.00000	.00000	.00000	.00000
2.675	130.290	-2.27700	12.38800	-.42500	-.16700	3.05000	-.35500	.00000	.00000	.00000	.00000
2.675	131.580	-2.25900	12.02400	-.42400	-.16300	2.18600	-.29800	.00000	.00000	.00000	.00000
2.675	133.010	-2.25200	11.59900	-.41000	-.16100	2.05400	-.33600	.00000	.00000	.00000	.00000
2.675	134.350	-2.28100	11.14500	-.41000	-.15600	1.83500	-.31700	.00000	.00000	.00000	.00000
2.675	135.740	-2.31000	10.66900	-.41900	-.15200	1.08400	-.36300	.00000	.00000	.00000	.00000
2.675	137.130	-2.36300	10.18700	-.39500	-.14700	1.22600	-.35400	.00000	.00000	.00000	.00000
2.675	138.530	-2.40500	9.71200	-.39400	-.14100	1.16700	-.41400	.00000	.00000	.00000	.00000
2.675	139.940	-2.43300	9.21400	-.40800	-.13600	.74400	-.42700	.00000	.00000	.00000	.00000
	GRADIENT	-.05924	-.19058	.00361	.00107	-.13838	-.00893	.00000	.00000	.00000	.00000

LEWIS T-033 SA6F 142-IN SRB,(SIDE MOUNTED) (RGE038) (02 MAY 74)

REFERENCE DATA

SREF =	7.0660 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
ALPROT =	1.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000

RUN NO. 46/ 1 RN/L = 2.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	136.780	-2.35000	11.10200	-.82500	-.16200	.13500	-.91600	.00000	.00000	.00000	.00000
2.004	138.190	-2.38000	10.59700	-.79700	-.15700	-.82300	-.77200	.00000	.00000	.00000	.00000
2.004	139.680	-2.47400	10.10000	-.76300	-.15200	1.10800	-.78600	.00000	.00000	.00000	.00000
2.004	141.530	-2.53600	9.45800	-.74800	-.14400	-.13000	-.64600	.00000	.00000	.00000	.00000
	GRADIENT	-.04143	-.54485	.01662	.00376	.06258	.05068	.00000	.00000	.00000	.00000

RUN NO. 45/ 1 RN/L = 2.34 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.675	141.310	-2.46400	8.72300	-.39800	-.12900	.67600	-.45400	.00000	.00000	.00000	.00000
2.675	142.750	-2.44600	8.23100	-.41700	-.12600	-1.04500	-.42000	.00000	.00000	.00000	.00000
	GRADIENT	.01249	-.34157	-.01319	.00238	-1.19478	.02360	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL) (RGE039) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 90.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 90.000
ALPROT = 1.000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = .000 ENGSTK = .000

RUN NO. 14/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.001	90.550	.56000	21.13100	-.85000	-.27400	5.06600	.09300	.75436	-.08763	.70921	-.22231
2.001	92.610	.45800	21.07200	-.85200	-.27100	4.70500	-.05200	.70818	-.14135	.56671	-.23102
2.001	94.300	.35900	20.98800	-.85900	-.27100	4.46700	-.12400	.65096	-.18662	.47242	-.24383
2.001	96.020	.25700	20.86100	-.82900	-.26900	4.15100	-.12300	.59883	-.21394	.42404	-.24982
2.001	97.620	.14100	20.71400	-.85000	-.26800	3.82900	-.17100	.54081	-.23572	.37624	-.25409
2.001	99.240	.01100	20.56300	-.86000	-.26400	3.51200	-.27500	.47696	-.24981	.31884	-.25365
2.001	100.950	-.15000	20.39700	-.86200	-.26600	3.14800	-.23300	.39944	-.26082	.24045	-.25869
2.001	102.840	-.34100	20.19700	-.86600	-.26200	2.90300	-.24300	.30184	-.26896	.14877	-.25955
2.001	104.380	-.46100	20.03500	-.83400	-.26100	2.78900	-.21000	.22738	-.27402	.08791	-.25359
2.001	105.500	-.55100	19.91700	-.83400	-.26200	2.70100	-.20000	.18021	-.27623	.05400	-.27636
2.001	107.160	-.68100	19.64000	-.82900	-.26000	2.50800	-.30700	.11909	-.27826	.00986	-.28170
2.001	108.940	-.80400	19.34000	-.83400	-.25900	2.36000	-.38200	.07208	-.28046	-.02562	-.28473
2.001	110.990	-.92300	19.03800	-.88100	-.26800	2.21800	-.51500	.03415	-.28340	-.05502	-.28810
2.001	112.710	-1.03600	18.71500	-.91700	-.27600	2.15200	-.68900	.00295	-.28554	-.07939	-.29067
2.001	114.540	-1.15400	18.39100	-.95900	-.27600	2.09300	-.89400	-.02305	-.28767	-.09985	-.29279
2.001	115.570	-1.25900	18.01400	-.97000	-.27000	1.96400	-1.02100	-.04606	-.29026	-.11947	-.29498
2.001	116.790	-1.36100	17.64300	-.98700	-.26800	1.81200	-1.02100	-.06621	-.29106	-.13617	-.29578
2.001	118.100	-1.46700	17.28900	-.96100	-.26400	1.70800	-1.03300	-.08534	-.29404	-.15447	-.29660
2.001	119.610	-1.57500	16.87700	-.97000	-.25500	1.53600	-1.13500	-.10079	-.29321	-.16477	-.29619
2.001	121.070	-1.69000	16.44300	-.92900	-.24500	1.37700	-1.15800	-.11566	-.29230	-.17624	-.29572
2.001	122.510	-1.80400	16.03600	-.91400	-.23800	1.20700	-1.19900	-.13023	-.29363	-.18825	-.29705
2.001	123.650	-1.91500	15.59800	-.87600	-.22900	1.03500	-1.16700	-.14291	-.29403	-.19754	-.29702
2.001	125.390	-2.03300	15.17500	-.85000	-.22400	.86100	-1.11700	-.15362	-.29361	-.20654	-.29703
2.001	126.870	-2.05600	14.84900	-.84400	-.21700	.51400	-1.08400	-.16265	-.29320	-.21340	-.29747
2.001	128.430	-2.12100	14.45400	-.81900	-.20900	.28200	-1.06200	-.17065	-.29146	-.22017	-.29702
2.001	129.760	-2.18100	14.04100	-.82700	-.20500	.21300	-1.05200	-.17413	-.25521	-.22064	-.29148
2.001	131.070	-2.22600	13.59000	-.79500	-.19900	.08000	-1.01700	-.17921	-.23384	-.22189	-.28037
2.001	132.430	-2.28000	13.09800	-.80400	-.19000	-.06500	-.99000	-.18302	-.25002	-.22143	-.25130
2.001	133.910	-2.33400	12.65500	-.78700	-.18600	-.09400	-.93000	-.18380	-.24697	-.21923	-.22990
2.001	135.300	-2.39400	12.20700	-.78500	-.17800	.12200	-.98400	-.19284	-.24958	-.22483	-.22995
	GRADIENT	-.07035	-.20704	.00041	.00190	-.10931	-.02916	-.02160	-.00192	-.01865	-.00073

LEWIS T-035 SA6F 148-IN SRB.(NOSE MOUNTED MODEL) (RGE035B) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.
LREF =	3.0000 IN.	YMRP =	.0000 IN.
BREF =	3.0000 IN.	ZMRP =	.0000 IN.
SCALE =	.0211		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
ALPROT =	1.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000

RUN NO. 19/ 0 RN/L = 2.39 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNN	CYN	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.678	91.260	.36200	19.90500	-.48700	-.	4.33700	-.05300	.66133	-.04441	.45431	-.11148
2.675	93.150	.26100	19.86400	-.49000	-.19700	4.02600	-.12900	.60535	-.08745	.42893	-.12022
2.678	94.810	.18000	19.77500	-.50400	-.20000	3.78500	-.09600	.53679	-.09457	.38696	-.11008
2.678	96.400	.09200	19.60500	-.49800	-.19800	3.68800	-.10400	.46524	-.10737	.32101	-.11658
2.676	98.160	-.02600	19.3[illegible]	-.51200	-.19700	3.56200	-.11300	.38850	-.11305	.24936	-.11919
2.675	99.850	-.12800	19.09900	-.51100	-.19600	3.42100	-.13400	.32078	-.12029	.18881	-.12746
2.675	101.550	-.[illegible]	18.86200	-.50200	-.19800	3.22700	-.05100	.26204	-.12799	.13766	-.13311
2.[illegible]	1[illegible]3.440	-.26700	18.60900	-.48100	-.19200	2.97200	-.12200	.20528	-.13324	.09703	-.13681
2.[illegible]	105.250	-.3[illegible]	18.38[illegible]	-.47100	-.19100	2.77100	-.12800	.16590	-.13684	.06060	-.14091
2.676	106.950	-.492[illegible]	18.17[illegible]	-.46900	-.18900	2.61600	-.15000	.13945	-.13972	.05269	-.14485
2.[illegible]	108.[illegible]	-.5[illegible]	17.96[illegible]	-.47900	-.19300	2.48500	-.12100	.11551	-.14234	.03764	-.14799
2.[illegible]	109.[illegible]	-.679[illegible]	17.[illegible]	-.49300	-.19400	2.34300	-.19100	.08940	-.14118	.01221	-.14839
2.[illegible]	111.[illegible]	-.8[illegible]	17.[illegible]	-.5[illegible]	-.19700	2.19400	-.[illegible]	.06569	-.14032	-.00586	-.15[illegible]
2.[illegible]	112.[illegible]	-.91[illegible]	7.[illegible]	-.51[illegible]	-.20200	2.04200	-.[illegible]	.04657	-.14380	-.02133	-.15[illegible]
2.[illegible]	114.[illegible]	-1.03[illegible]	16.79[illegible]	-.49[illegible]	-.19600	1.93600	-.26600	.02803	-.14540	-.03526	-.15764
2.[illegible]	115.920	-1.17[illegible]	16.45700	-.48100	-.19400	1.76400	-.20800	.01169	-.14528	-.04800	-.15351
2.[illegible]	118.[illegible]	-1.[illegible]	16.14600	-.48300	-.18900	1.62900	-.24300	-.00433	-.14690	-.06197	-.15565
2.676	121.[illegible]	-1.54100	15.41200	-.47500	-.17800	1.38100	-.28100	-.03157	-.14789	-.08353	-.15715
2.[illegible]	121.64[illegible]	-1.64[illegible]	14.99[illegible]	-.[illegible]4400	-.17400	1.28900	-.24100	-.04331	-.1[illegible]943	-.09276	-.15768
2.[illegible]	123.210	-1.736[illegible]	14.59200	-.42500	-.17000	1.25900	-.27300	-.05210	-.14942	-.09999	-.15765
2.676	124.690	-1.85100	14.14900	-.41800	-.16500	1.23100	-.31800	-.06252	-.15107	-.10782	-.15931
2.676	126.[illegible]	-1.95900	13.72[illegible]	-.41000	-.16300	1.18700	-.28900	-.06961	-.14999	-.11239	-.15926
2.[illegible]	127.4[illegible]	-2.06000	13.28[illegible]	-.38600	-.15800	1.22800	-.24200	-.07581	-.14994	-.11699	-.15921
2.676	128.700	-2.15500	12.83200	-.41200	-.15300	1.11000	-.30400	-.08253	-.14997	-.12217	-.16078
2.67[illegible]	13[illegible].[illegible]7[illegible]	-2.24600	12.42[illegible]	-.42[illegible]	-.15300	1.04500	-.22[illegible]	-.[illegible]8724	-.14951	-.12531	-.16094
2.[illegible]	13[illegible].[illegible]6[illegible]	-2.25[illegible]	12.04000	-.41600	-.14700	.97400	-.23800	-.09287	-.14951	-.12891	-.16135
[illegible]	13[illegible].[illegible]2[illegible]	-2.25900	11.64000	-.39100	-.14700	.93200	-.16000	-.09600	-.14799	-.13099	-.16087
2.[illegible]	134.[illegible]	-2.24[illegible]	11.21200	-.41[illegible]	-.14200	.89100	-.32[illegible]	-.[illegible]713	-.14838	-.13251	-.15928
2.[illegible]	135.[illegible]	-2.[illegible]	10.75400	-.41200	-.14100	.81200	-.15600	-.11[illegible]09	-.14126	-.13354	-.15721
2.[illegible]	137.[illegible]	-2.37[illegible]	10.28[illegible]	-.39[illegible]	-.13300	.74900	-.20[illegible]	-.1[illegible]004	-.13604	-.13[illegible]	-.15303
2.676	138.[illegible]	-2.41[illegible]	9.80[illegible]	-.38[illegible]	-.12800	.72300	-.22500	-.10152	-.13302	-.13[illegible]	-.15021
2.676	140.[illegible]	-2.45[illegible]	9.33[illegible]	-.[illegible]7[illegible]	-.12[illegible]	.67[illegible]	-.26[illegible]	-.[illegible]1215	-.13[illegible]46	-.[illegible]	-.14[illegible]9
	GRADIENT	-.26362	-.42213	.00255	.00156	-.08279	-.00337	-.01389	-.00102	-.01093	-.00086

LEWIS T-035 SA6F 142-IN SRB, (NOSE MOUNTED MODEL) (RGE040) (02 MAY 74

REFERENCE DATA

SREF = 7.0880 SQ.IN. XMRP = 80.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 90.000
ALPROT = 1.000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = .000 ENGSTK = .000

RUN NO. 14/ 1 RN/L = 8.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNN	CYN	CBL	CLNN	CYNN	CPB1	CPB2	CPB3	CPB4
2.001	144.520	-2.85900	9.07300	-.68600	-.13700	.37600	-.77200	-.23008	-.24416	-.25014	-.25014
2.001	146.080	-2.96200	8.55400	-.64600	-.13000	.17100	-.73100	-.22874	-.24111	-.24623	-.24791
2.001	147.467	-2.84400	8.11800	-.64600	-.12200	.07900	-.60400	-.23048	-.24326	-.24752	-.25008
2.001	148.950	-2.93400	7.57700	-.58700	-.11500	-.19700	-.53900	-.23090	-.24157	-.24541	-.24754
2.001	150.343	-2.91300	7.06000	-.56000	-.10500	-.44500	-.49600	-.22913	-.23468	-.23852	-.23980
2.001	151.800	-2.87200	6.53500	-.54600	-.09500	-.68100	-.61500	-.22836	-.22793	-.22836	-.23006
2.001	153.110	-2.85400	6.01900	-.53500	-.08600	-.85600	-.72900	-.22833	-.22235	-.22022	-.22408
2.001	154.810	-2.85400	5.52500	-.50500	-.07900	-1.00700	-.72400	-.22315	-.21330	-.21505	-.21889
2.001	156.120	-2.84200	5.03000	-.46600	-.07100	-1.07900	-.72200	-.21336	-.20611	-.21208	-.21464
2.001	157.580	-2.83000	4.54500	-.47200	-.06500	-1.22000	-.59400	-.20612	-.19972	-.20783	-.20910
2.001	159.120	-2.78900	4.07900	-.48700	-.05800	-1.23200	-.66500	-.20050	-.19538	-.20306	-.20263
2.001	160.600	-2.77400	3.61100	-.49000	-.05100	-1.33600	-.69200	-.19537	-.19068	-.19623	-.19537
2.001	162.250	-2.69600	3.12500	-.48200	-.04100	-1.41000	-.74700	-.19069	-.18386	-.1877.	-.18984
2.001	163.770	-2.65100	2.68700	-.44000	-.03500	-1.40900	-.74100	-.18435	-.17625	-.17966	-.18435
2.001	165.360	-2.64400	2.22600	-.36000	-.02900	-1. 9900	-.60700	-.17410	-.16557	-.16940	-.17495
2.001	167.580	-2.65800	1.81500	-.23900	-.02400	-1.17700	-.38700	-.16515	-.15662	-.16302	-.17155
2.001	168.590	-2.63600	1.45500	-.15500	-.01800	-.99700	-.2 .900	-.15530	-.14762	-.15316	-.16127
2.001	170.225	2.59100	1.14400	-.06500	-.01200	-.87700	-.102 0	- 14258	-.13789	-.14045	-.14386
2.001	171.800	-2.58200	.89300	.02100	-.00700	-.72300	-.038.0	-.12675	-.12505	-.12590	-.12633
2.001	173.460	-2.58400	.66300	.00700	-.00400	-.63500	-.03100	-.11313	-.11313	-.11399	-.11228
2.001	175.070	-2.46300	.51900	.00500	-.00300	-.47100	.02200	-.10113	-.10113	-.10284	-.09943
2.001	176.690	-2.39700	.42000	.00500	.00000	-.29800	-.02300	-.09277	-.09235	-.09490	-.09149
2.001	178.430	-2.30500	.32300	.02300	-.00100	-.17900	- 00200	-.08663	-.08620	-.08706	-.08791
2.001	180.170	-2.29800	.22800	.02400	.00100	.05900	-.04300	-.08373	-.08458	-.08458	-.08500
2.001	181.891	-2.35900	.16000	.01300	-.00100	.36200	.04400	-.08674	-.08759	-.08674	-.08759
2.001	183.630	-2.41800	.08200	.02300	.00400	.56800	-.01600	-.09098	-.09367	-.09312	-.09141
2.001	184.440	-2.42600	.03400	.01400	.00600	.65800	-.05400	-.09666	-.09836	-.09836	-.09938
2.001	185.710	2.45400	-.09000	.02700	.00500	.75200	-.00300	-.10429	-.10685	-.10387	-.10301
2.001	187.120	-2.50500	-.22500	.03500	.01100	.88300	.00100	-.11234	11532	-.11106	-.11234
	GRADIENT	.01528	-.22110	.01963	.00344	.02190	.02137	.00410	.00420	.00435	.00442

(EWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL) (RGE040) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = 90.000
ALPROT = 1.000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = .000 ENGSTK = .000

RUN NO. 15/ 1 RN/L = 2.35 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CDL	CLNM	CYNM	CPB1	CPB2	CPB3	CPB4
2.676	141.520	-2.47800	8.84400	-.41300	-.11600	.15000	-.28100	-.10267	-.13047	-.13562	-.14437
2.676	143.040	-2.50500	8.38300	-.42100	-.11200	.18500	-.31400	-.10167	-.12895	-.13409	-.14027
2.676	144.410	-2.51500	7.88500	-.41600	-.10700	.03300	-.34100	-.10430	-.12848	-.13311	-.13877
2.676	145.950	-2.46700	9.00300	-.41100	-.11700	.26000	-.32000	-.09805	-.12939	-.13094	-.13814
2.676	142.370	-2.51200	8.49300	-.42100	-.11200	.17900	-.26900	-.09957	-.13038	-.13147	-.13713
2.676	143.850	-2.51900	8.03800	-.45900	-.10800	.11700	-.31400	-.10159	-.12782	-.13193	-.13745
2.676	146.41.	-2.03100	7.39900	-.43400	-.10300	.15800	-.28300	-.10369	-.12684	-.13138	-.13568
2.676	14..15.	-2.532.0	7.41000	.44300	-.10100	.11600	-.38100	-.10572	-.12937	-.13248	-.13776
2.676	148.520	-2.5[illegible]	6.05300	-.43700	-.09300	.19700	-.43200	-.10569	-.12956	-.13335	-.13760
2.676	149.430	-2.[illegible]	6.23150	-.47100	-.09300	.67800	-.40900	-.10781	-.13201	-.13458	-.13716
2.676	150.970	-2.[illegible]	5.7[illegible]	-.42200	-.08800	.59100	-.30600	-.10883	-.13403	-.13660	-.13911
2.676	152.390	-2.[illegible]	5.33[illegible]	-.40000	-.07600	.54100	-.39700	-.11130	-.13394	-.13773	-.13803
2.676	.03 3.0	-2.[illegible]	4.[illegible]	-.38400	-.07400	.47200	-.38100	-.11332	-.13287	-.13[illegible]	-.13[illegible]1
2.676	153.920	-2.[illegible]	4.48[illegible]	-.34300	-.06100	.17800	-.35800	-.11907	-.13245	-.13709	-.13960
2.676	156.59	-2.[illegible]	4.04[illegible]	-.35700	-.05800	.21400	-.33400	-.12267	-.13142	-.13554	-.13935
2.676	158.11[illegible]	-2.[illegible]	3.66700	.32400	-.04900	-.03400	.43800	-.12465	-.12928	-.13286	-.13340
2.676	159.620	-2.05100	3.30200	-.36000	-.04700	-.10500	-.43900	-.12520	-.12777	-.13034	-.13137
2.676	161.120	-2.55200	2.88200	-.32600	-.04300	-.18200	-.42100	-.12579	-.12579	-.12990	-.13042
2.676	162.700	-2.57000	2.00300	-.43900	-.03300	-.27100	-.42400	-.12465	-.12363	-.12774	-.12826
2.676	164.190	-2.47800	2.13300	-.29000	-.02700	-.41300	-.51100	-.12314	-.12006	-.12469	-.12469
2.676	165.790	-2.43600	1.75200	-.21800	-.02200	-.49900	-.47400	-.12106	-.11900	-.12312	-.12312
2.676	167 3[illegible]	-2.[illegible]	1.3[illegible]	-.19700	-.01900	-.57400	-.52600	-.11588	-.11537	-.11949	-.11897
2.676	169.[illegible]	-2.42600	1.05800	-.12900	-.01600	-.58300	-.27300	-.10920	-.11281	-.11641	-.11641
2.67[illegible]	170.[illegible]	-2.39900	.77[illegible]	-.11500	-.01000	-.47000	-.16000	-.09791	-.10718	-.11129	-.11284
2.676	172.120	-2.[illegible]	.55[illegible]	-.05700	-.00700	-.47000	-.03300	-.09547	-.10143	-.10565	-.10761
2.676	173.[illegible]	-2.[illegible]	.36600	.00800	-.00500	-.43600	.07000	-.07573	-.09322	-.09734	-.09786
2.676	175.350	-2.26500	.22800	.00600	.00000	-.34500	-.02900	-.07364	-.08290	-.08702	-.08650
2.676	177.061	-2.[illegible]	.11900	.01000	.00100	-.28500	-.03200	-.06046	-.07310	-.07670	-.07670
2.676	178.380	-2.13400	.08100	.01300	-.00200	-.04900	.05500	-.06604	-.06809	-.07067	-.07118
2.676	179.421	-2.12200	.03300	.01600	-.00200	.00600	.08600	-.06581	-.06529	-.06735	-.06735
2.676	180.[illegible]	-2.12600	.02300	.01300	-.00300	.14200	.12400	-.06475	-.06527	-.06678	-.06629
2.676	181.1[illegible]	-2.13000	-.04400	.01500	-.00100	.27700	.05200	-.06577	-.06577	-.06577	-.06680
2.676	182.110	-2.17100	-.09700	.00300	.00100	.24300	.06100	-.06736	-.06736	-.06736	-.06788
2.676	182.990	-2.21200	-.11500	.01700	.00000	.35100	.06800	-.06921	-.06979	-.06979	-.07030
2.676	183.930	-2.25100	-.16900	.02200	.00000	.34900	.11300	-.07396	-.07448	-.07448	-.07396
2.676	184.820	-2.28000	-.21700	.02600	.00300	.44700	.09000	-.07853	-.08007	-.07904	-.07904
2.676	185.660	-2.30200	-.29300	.03100	.00400	.50700	.06400	-.08471	-.08573	-.08419	-.08471
	GRADIENT	.01116	-.21551	.01249	.00293	-.00473	.01133	.00093	.00156	.00164	.00175

LEWIS T-038 BASP 142-IN BRB, (TAIL MOUNTED MODEL) (RGE041) / 02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.
LREF =	3.0000 IN.	YMRP =	.0000 IN.
BREF =	3.0000 IN.	ZMRP =	.0000 IN.
SCALE =	.0211		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	PHISTR =	.000
AFTSTR =	.000	ATTRNG =	1.000
ELETAB =	.000	ENGSTR =	.000
PHIL =	2.860		

RUN NO. 30/ 0 PHIL = 2.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLNM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	41.080	1.19900	10.77600	+.07900	.00400	7.44900	+ 10700	00000	.00000	.00000	.00000
2.004	42.430	1.20000	11.25800	+.07400	00300	7.66200	+.10400	00000	.00000	.00000	.00000
2.004	43.840	1.19700	11.75600	+ 08700	.00400	7.86300	+.04700	00000	.00000	.00000	.00000
2.004	45.190	1.20400	12.23200	+ 08400	00500	8.07500	+.03500	.00000	.00000	.00000	.00000
2.004	46.700	1.20100	12.70300	+ 09000	.00400	8.33700	+ 07100	.00000	00000	.00000	.00000
2.004	48.170	1.19400	13.19300	+ 08200	.00400	8.60100	+.09200	.00000	.00000	.00000	.00000
2.004	49.540	1.18100	13.60400	+.06400	.00400	8.92900	+.07500	.00000	.00000	.00000	.00000
2.004	50.870	1.17800	14.01700	+ 07600	.00300	9.21300	+.05900	00000	.00000	.00000	.00000
2.004	52.380	1.16500	14.43800	+.08300	.00300	9.54700	+.10200	.00000	.00000	.00000	.00000
2.004	53.360	1.11500	14.71300	+.07100	.00400	9.71800	+.08200	00000	.00000	.00000	.00000
2.004	54.780	1.11900	15.11000	+.07000	.00300	9.97300	+.08900	.00000	00000	.00000	.00000
2.004	56.250	1.12207	15.47800	+ 08100	.00400	10.22200	+.01400	.00000	.00000	.00000	.00000
2.004	57.700	1.09400	15.86100	+.10200	.00400	10.46500	+.00300	00000	.00000	.00000	.00000
2.004	59.170	1.06500	16.23800	+.07500	.00207	10.68400	+.06800	.00000	.00000	.00000	.00000
2.004	60.640	1.01900	16.59700	+.09700	.00300	10.87700	+.00700	.00000	.00000	.00000	.00000
2.004	62.150	.95800	16.96500	+.09400	.00400	11.04400	.01400	.00000	.00000	.00000	.00000
2.004	63.640	.92300	17.29900	+.07500	.00400	11.19800	+.02800	.00000	.00000	.00000	.00000
2.004	65.090	.87800	17.66500	+.11100	.00300	11.31400	.00900	.00000	00000	.00000	00000
2.004	66.630	.82700	17.99500	+.10800	.00400	11.47600	09700	00000	.00000	.00000	00000
2.004	68.210	.75900	18.28200	+.11400	.00400	11.52700	.10200	.00000	.00000	.00000	.0000
2.004	69.800	.70000	18.57600	+.12200	.00400	11.55300	.05100	.00000	.00000	.00000	00000
2.004	71.360	.63200	18.86300	+.13000	00500	11.55200	.09300	.00000	.00000	.00000	00000
2.004	72.990	.55100	19.14400	+.13900	.00500	11.52600	.07400	.00000	.00000	.00000	00000
2.004	74.640	.45400	19.37700	+.14000	.00500	11.41100	.05900	.00000	.00000	.00000	.0000
2.004	76.580	.40200	19.51800	+.13700	.00600	11.44400	.05900	.00000	.00000	.00000	.00000
2.004	77.120	29600	19.74700	+.14800	.00400	11.37800	.13000	.00000	.00000	.00000	.00000
2.004	79.030	.14200	20.00700	+.14200	.00700	11.12800	.08200	.00000	.00000	.00000	.00000
2.004	80.790	-.00800	20.21700	+.13700	.00800	10.85800	.14900	.00000	.00000	.00000	.00000
2.004	82.2 0	-.11600	20.38200	+.12500	.00700	10.60700	.09900	.00000	.00000	.00000	.00000
2.004	84.1..	-.28300	20.53800	+.10400	.00800	10.24000	.08700	.00000	.00000	.00000	.00000
2.004	85.680	-.39600	20.62600	+.07100	.00900	9.93700	.00700	.00000	.00000	.00000	.00000
2.004	87..30	-.50800	20.66300	+.08200	.00900	9.68600	.01500	.00000	.00000	.00000	.00000
2.004	89.190	-.61800	20.69500	+.04800	.00900	9.37000	-.07000	.00000	.00000	.00000	.00000
	GRADIENT	-.03719	.21198	+.00085	.00010	.05688	.00389	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB, (TAIL MOUNTED MODEL) (RUE042) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = .000
A_PROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETAB = .000 ENGSTK = .000
RN/L = 2.860

RUN NO. 30/ 1 RN/L = 2.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	C_MM	CYMM	CPB1	CPB2	CPB3	CPB4
2.004	-5.900	1.12500	-.61600	-.01400	.00100	-1.20900	-.09100	.00000	.00000	.	.
2.004	-5.520	1.12100	-.57600	-.01000	.00000	-1.15800	-.08800	.00000	.00000	.00000	.00000
2.004	-4.520	1.11800	-.47400	-.02100	.00200	-.92700	.00000	.00000	.00000	.00000	.00000
2.004	-3.600	1.09500	-.41800	-.00500	.00100	-.65900	-.01000	.00000	.00000	.00000	.00000
2.004	-2.700	1.08200	-.35100	.00500	.00300	-.46600	.02900	.00000	.00000	.00000	.00000
2.004	-1.800	1.07200	-.29000	-.01800	.00200	-.29800	-.06300	.00000	.00000	.00000	.00000
2.004	-.920	1.06600	-.21300	.00100	.00100	-.15400	-.08500	.00000	.00000	.00000	.00000
2.004	-.060	1.06400	-.13200	-.01500	.00100	-.07400	-.07000	.00000	.00000	.00000	.00000
2.004	.810	1.06500	-.04800	-.00400	.00100	.00400	-.05300	.00000	.00000	.00000	.00000
2.004	1.640	1.06900	.02700	-.03300	.00200	.08600	-.06600	.00000	.00000	.00000	.00000
2.004	2.540	1.07300	.07900	-.02300	.00300	.23800	-.02200	.00000	.00000	.00000	.00000
2.004	3.340	1.08500	.16000	-.01900	.00300	.41100	-.03700	.00000	.00000	.00000	.00000
2.004	4.200	1.09900	.22000	-.01600	.00300	.59400	-.01100	.00000	.00000	.00000	.00000
2.004	5.050	1.10800	.28300	-.02800	.00400	.79100	-.05100	.00000	.00000	.	.00000
2.004	5.890	1.11500	.38600	-.01700	.00300	1.06500	-.04900	.00000	.00000	.00000	.00000
2.004	6.720	1.12200	.48400	-.01400	.00000	1.	-.13400	.00000	.00000	.	.
2.004	7.540	1.12800	.55200	-.02700	.00500	1.49000	-.04400	.00000	.00000	.00000	.00000
2.004	8.340	1.13300	.62200	-.03500	.00500	1.70000	-.04700	.00000	.00000	.00000	.00000
2.004	10.010	1.13500	.84200	-.03400	.00400	2.30000	-.04600	.00000	.00000	.00000	.
2.004	11.650	1.13400	1.15000	-.03100	.00400	2.94400	-.04200	.00000	.00000	.00000	.00000
2.004	13.290	1.12700	1.48400	-.04500	.00100	3.66200	-.12700	.00000	.00000	.00000	.00000
2.004	14.900	1.12200	1.86900	-.03900	.00300	4.28800	-.07300	.00000	.00000	.00000	.00000
2.004	16.380	1.12400	2.27300	-.04700	.00100	4.76500	-.08600	.00000	.00000	.00000	.00000
2.004	17.960	1.12600	2.77800	-.06000	.00400	5.13700	.01700	.00000	.00000	.00000	.00000
2.004	19.480	1.12600	3.24500	-.07500	.00500	5.37000	.01100	.00000	.00000	.00000	.00000
2.004	20.950	1.12500	3.72100	-.09100	.00600	5.51700	-.02200	.00000	.00000	.00000	.00000
2.004	22.450	1.12200	4.25200	-.07300	.	5.72100	-.03600	.00000	.00000	.00000	.00000
2.004	23.880	1.13200	4.75400	-.04800	.00300	5.83200	-.09200	.00000	.00000	.00000	.00000
2.004	25.380	1.14000	5.26900	-.05200	.00600	5.98500	-.06100	.00000	.00000	.00000	.00000
2.004	26.820	1.15600	5.76200	-.06100	.00700	6.04500	-.02900	.00000	.00000	.00000	.00000
2.004	28.250	1.15900	6.25900	-.05800	.00500	6.18800	-.10700	.00000	.00000	.00000	.00000
2.004	29.670	1.16300	6.77700	-.02700	.00300	6.34500	-.08200	.00000	.00000	.00000	.00000
2.004	31.090	1.17100	7.27700	-.05700	.00500	6.52200	-.02900	.00000	.00000	.00000	.00000
2.004	32.480	1.18700	7.78800	-.04600	.00700	6.51400	-.01300	.00000	.00000	.00000	.00000
2.004	33.920	1.18800	8.32300	-.06300	.00500	6.62500	.00800	.00000	.00000	.00000	.00000
2.004	35.360	1.19200	8.84800	-.05200	.00500	6.63200	.01700	.00000	.00000	.00000	.00000
2.004	36.830	1.18900	9.40900	-.01900	.00500	6.76000	-.00400	.00000	.00000	.00000	.00000
2.004	38.200	1.19700	9.85900	-.03200	.00400	7.00500	-.04100	.00000	.00000	.00000	.00000
2.004	39.610	1.19700	10.32400	-.03200	.00300	7.32900	-.03100	.00000	.00000	.00000	.00000
	GRADIENT	-.00131	.08222	-.00155	.00013	.15812	-.00314	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGED43) (02 MAY 74)

REFERENCE DATA

SREF =	7.0693 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000
RNVL =	2.340		

RUN NO. 39/ 0 RNVL = 2.34 GRADIENT INTERVAL = -3.00/ 5.00

MACH	ALPHA	CA	CNN	CYM	CBL	CLMM	CYMM	CPB1	CPB2	CPB3	CPB4
2.675	-5.860	.88200	-.54100	-.02400	.00100	-1.28000	-.00100	.00000	.00000	.	.00000
2.675	-5.850	.88000	-.53400	-.04600	.00100	-1.28300	.03900	.00000	.00000	.00000	.00000
2.675	-5.240	.87700	-.47200	-.01000	-.00200	-1.13330	.01100	.00000	.00000	.00000	.00000
2.675	-3.340	.85700	-.33200	-.03400	.00200	-.80200	.03600	.00000	.00000	.00000	.00000
2.675	-1.570	.84700	-.18500	-.03000	-.00100	-.27000	-.00000	.00000	.00000	.00000	.00000
2.675	.200	.84100	-.01800	-.02800	.00300	.05800	.04300	.00000	.00000	.00000	.00000
2.675	1.900	.84800	.13000	-.04100	.00700	.26200	.14900	.00000	.00000	.00000	.00000
2.675	3.590	.85400	.26000	-.01500	-.00200	.68700	-.04300	.00000	.00000	.00000	.00000
2.675	5.230	.87200	.40000	-.03700	.00200	1.13200	-.06000	.00000	.00000	.00000	.00000
2.675	6.840	.88700	.57500	-.04600	.00400	1.53600	-.00100	.00000	.00000	.00000	.00000
2.675	8.490	.90000	.81300	-.03600	.01100	2.11400	.11800	.00000	.00000	.00000	.00000
2.675	10.120	.90900	1.09700	-.06100	.00300	2.61900	.02600	.00000	.00000	.00000	.00000
2.675	11.690	.90300	1.43600	-.05900	.00400	2.98900	.13900	.00000	.00000	.00000	.00000
2.675	13.280	.90200	1.81400	-.04700	.00200	3.22200	.00100	.00000	.00000	.00000	.00000
2.675	14.820	.91200	2.20900	-.05400	.00400	3.44900	-.00700	.00000	.00000	.00000	.00000
2.675	16.360	.92200	2.62700	-.04600	.00300	3.61500	.01000	.00000	.00000	.00000	.
2.675	17.850	.93400	3.03200	-.03800	.00300	3.75630	-.00900	.00700	.00000	.00000	.00000
2.675	19.370	.94700	3.45300	-.03600	.00700	3.94200	.04100	.00000	.00000	.00000	.00000
2.675	20.870	.95400	3.87900	-.03700	.00600	4.07900	.04200	.00000	.00000	.00000	.00000
2.675	22.320	.98000	4.28600	-.05800	.00400	4.12000	-.04300	.00000	.00000	.00000	.00000
2.675	23.750	.99400	4.72900	-.05300	.00700	4.24200	.11300	.00000	.00000	.00000	.00000
2.675	25.210	1.00600	5.17100	-.04300	.00800	4.40200	.15400	.00000	.00000	.00000	.00000
2.675	26.670	1.02100	5.61600	-.04500	.00100	4.56700	-.05800	.00000	.00000	.00000	.00000
2.675	28.110	1.03900	6.05900	-.04100	.01000	4.65300	.10600	.00100	.00000	.00000	.00000
2.675	29.510	1.06000	6.49600	-.03400	.00700	4.75200	.11000	.00000	.00000	.00000	.00000
2.675	30.920	1.08000	6.96500	-.03400	.00500	4.86100	.02100	.00000	.00000	.00000	.00000
2.675	32.340	1.09700	7.43600	-.04900	.00600	5.05200	.02900	.00000	.00000	.00000	.00000
2.675	33.190	1.11100	7.73400	-.06200	.00500	5.10500	-.04200	.00000	.00000	.00000	.00000
2.675	34.600	1.12900	8.20200	-.04100	.00600	5.28200	.01600	.00000	.00000	.00000	.00000
2.675	36.000	1.14300	8.64600	-.04000	.00600	5.44100	.01600	.00000	.00000	.00000	.00000
2.675	37.370	1.15500	9.09200	-.06100	.00900	5.56400	.09800	.00000	.00000	.00000	.00000
2.675	38.770	1.16500	9.55000	-.05800	.00900	5.74800	.11500	.00000	.00000	.00000	.00000
	GRADIENT	-.00031	.08188	.00154	.00001	.17942	-.00223	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE044) (02 MAY 74)

REFERENCE DATA

SREF =	7.0680 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000
RN/L =	2.340		

RUN NO. 39/ 3 RN/L = 2.34 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.675	40.170	1.17800	10.00600	-.07100	.00700	5.94400	.09300	.00000	.00000	.00000	.00000
2.675	40.210	1.17800	10.01900	-.06600	.00700	6.02100	.07400	.00000	.00000	.00000	.00000
2.675	41.580	1.19300	10.47200	-.08500	.00600	6.20300	.04300	.00000	.00000	.00000	.00000
2.675	42.950	1.20600	10.91700	-.06300	.00800	6.40800	.06500	.00000	.00000	.00000	.00000
2.675	44.360	1.21200	11.37800	-.07000	.00600	6.68000	.04100	.00000	.00000	.00000	.00000
2.675	45.740	1.22300	11.81100	-.09000	.00700	6.85700	.03700	.00000	.00000	.00000	.00000
2.675	47.150	1.23600	12.27200	-.08400	.00800	7.06000	.04000	.00000	.00000	.00000	.00000
2.675	48.500	1.25300	12.71100	-.07400	.00700	7.20100	.07300	.00000	.00000	.00000	.00000
2.675	49.980	1.25900	13.13800	-.08400	.00700	7.47800	.02200	.00000	.00000	.00000	.00000
2.675	51.410	1.26200	13.54300	-.08500	.00600	7.76900	.03000	.00000	.00000	.00000	.00000
2.675	52.780	1.26500	13.95500	-.09900	.00800	8.03200	.02900	.00000	.00000	.00000	.00000
2.675	54.180	1.26300	14.34200	-.10100	.00700	8.30900	.00000	.00000	.00000	.00000	.00000
2.675	55.660	1.24700	14.73300	-.10000	.00700	8.62600	-.01100	.00000	.00000	.00000	.00000
2.675	57.110	1.22300	15.08900	-.11600	.00800	8.91800	-.02600	.00000	.00000	.00000	.00000
2.675	58.550	1.19100	15.43600	-.12800	.00800	9.15700	-.00600	.00000	.00000	.00000	.00000
2.675	59.990	1.13900	15.79600	-.12700	.00900	9.37100	-.01700	.00000	.00000	.00000	.00000
2.675	61.490	1.08900	16.10400	-.11500	.00700	9.60800	-.07000	.00000	.00000	.00000	.00000
2.675	62.990	1.03300	16.42100	-.12300	.00600	9.79400	-.06500	.00000	.00000	.00000	.00000
2.675	64.450	.98500	16.71200	-.12200	.00800	9.92800	-.06300	.00000	.00000	.00000	.00000
2.675	66.030	.93400	16.98700	-.12200	.00900	10.09400	-.05400	.00000	.00000	.00000	.00000
2.675	67.550	.88200	17.25500	-.11100	.01000	10.15200	-.04600	.00000	.00000	.00000	.00000
2.675	69.120	.82300	17.51400	-.12100	.00800	10.27300	-.05700	.00000	.00000	.00000	.00000
2.675	70.230	.77900	17.70100	-.10900	.00800	10.27900	-.06200	.00000	.00000	.00000	.00000
2.675	71.830	.71200	17.94100	-.13400	.00800	10.28300	-.05700	.00000	.00000	.00000	.00000
2.675	73.440	.64700	18.17200	-.12700	.00900	10.19600	-.02400	.00000	.00000	.00000	.00000
2.675	74.740	.58900	18.32300	-.10500	.01000	10.17900	-.03000	.00000	.00000	.00000	.00000
2.675	76.290	.51600	18.51800	-.10100	.01100	10.04000	-.04200	.00000	.00000	.00000	.00000
2.675	78.030	.42900	18.71500	-.07900	.01000	9.93400	-.05800	.00000	.00000	.00000	.00000
2.675	79.920	.32600	18.94500	-.06500	.01000	9.83900	-.03900	.00000	.00000	.00000	.00000
2.675	81.690	.22200	19.17800	-.06700	.01200	9.81300	-.00600	.00000	.00000	.00000	.00000
2.675	83.480	.11500	19.37200	-.08300	.01000	9.79200	-.06000	.00000	.00000	.00000	.00000
2.675	85.250	.02100	19.52300	-.09000	.01100	9.62200	-.06400	.00000	.00000	.00000	.00000
2.675	86.820	-.07100	19.57900	-.06500	.01000	9.45100	-.11500	.00000	.00000	.00000	.00000
2.675	88.530	-.20100	19.59200	-.08900	.01100	9.15600	-.05600	.00000	.00000	.00000	.00000
2.675	89.370	-.25100	19.59500	-.06300	.01200	8.97600	-.00200	.00000	.00000	.00000	.00000
	GRADIENT	-.02910	.19982	-.00009	.00010	.07661	-.00257	.00000	.00000	.00000	.00000

LEWIS T-035 SA8F 142-IN SRB,(TAIL MOUNTED MODEL) (RGE049) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000
RN/L =	2.340		

RUN NO. 31/ 0 RN/L = 2.34 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.675	-5.650	.83600	-.68500	-.00700	-.00300	-1.38400	-.02400	.	.00000	.	.00000
2.675	-5.340	.82900	-.60000	-.02600	.03000	-1.20200	.07900	.00000	.00000	.00000	.00000
2.675	-4.410	.82000	-.53000	-.00100	-.00400	-.99800	.06100	.00000	.00000	.00000	.00000
2.675	-3.480	.81100	-.46200	-.02000	-.00300	-.74200	.01700	.00000	.00000	.00000	.00000
2.675	-2.610	.80600	-.38600	-.01000	-.00400	-.55800	-.00300	.00000	.00000	.00000	.00000
2.675	-1.690	.80000	-.32100	-.01300	-.00100	-.34300	.02100	.00000	.00000	.00000	.00000
2.675	-.840	.79400	-.24300	-.02500	-.00400	-.20400	.01600	.00000	.00000	.00000	.00000
2.675	.040	.79100	-.16700	-.03500	-.00100	-.06900	.08000	.00000	.00000	.00000	.00000
2.675	2.110	.79400	-.01000	-.01300	-.00400	.35000	-.09400	.00000	.00000	.00000	.00000
	GRADIENT	-.00425	.08067	-.00229	.	.20157	-.01398	.00000	.00000	.00000	.

LEWIS T-035 BASF 148-IN SRB,(NOSE MOUNTED MODEL) (RGE050) (02 MAY 74)

REFERENCE DATA

SREF = 7.0690 SQ.IN. XMRP = 20.8340 IN.
LREF = 3.0000 IN. YMRP = .0000 IN.
BREF = 3.0000 IN. ZMRP = .0000 IN.
SCALE = .0211

PARAMETRIC DATA

BETA = .000 PHI = .000
ALPROT = .000 FWDSTK = .000
AFTSTK = .000 ATTRNG = 1.000
ELETUN = .000 ENGSTK = .000
RN/L = 2.860

RUN NO. 7/ 0 RN/L = 2.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.004	90.360	.47200	20.12800	.07600	-.00300	5.96500	.05600	.75809	-.08110	.71689	-.21639
2.004	92.360	.53200	20.07000	.09500	-.00700	5.83400	.04400	.70763	-.13545	.56936	-.22978
2.004	94.120	.38900	19.97100	.08400	-.00800	5.58100	.05100	.64983	-.17902	.47248	-.24142
2.004	95.660	.23400	19.85000	.08500	-.00600	5.08400	.00600	.60217	-.20727	.42732	-.24599
2.004	97.520	.07700	19.67700	.09400	-.01000	4.74200	.11000	.53675	-.23269	.37242	-.25337
2.004	99.110	.01100	19.53600	.07500	-.00700	4.39600	.01000	.47502	-.24959	.31622	-.25576
2.004	100.360	-.10400	19.33000	.08700	-.00700	4.06200	.07800	.39324	-.26091	.23743	-.26055
2.004	107.970	- 58200	18.46600	.09900	-.00500	3.36900	.10100	.13536	-.27646	.02318	-.28154
2.004	111.290	-.78400	17.81800	.09900	-.00500	2.93900	.05500	.04497	-.28222	-.04242	-.28875
2.004	114.900	-1.03100	17.10400	.07400	-.00700	2.62200	.10400	-.01861	-.28808	-.09185	-.29570
2.004	115.700	-1.15000	16.72500	.06600	-.00600	2.49600	.05800	-.04355	-.29057	-.11353	-.29747
2.004	117.880	-1.27600	16.35800	.05900	-.00500	2.34700	.02600	-.06638	-.29674	-.13565	-.30327
2.004	117.470	-1.37300	15.98400	.05100	-.00700	2.25500	.02000	-.08557	-.29637	-.15159	-.30399
2.004	119.170	-1.48800	15.62600	.07000	-.00600	2.18200	.02400	-.10339	-.29673	-.16756	-.30508
2.004	120.430	-1.60000	15.25600	.06800	-.00700	2.12300	.02400	-.11748	-.29633	-.18131	-.30458
2.004	121.880	-1.72100	14.88800	.06500	-.00500	2.02600	-.02500	-.13131	-.29598	-.19441	-.30542
2.004	123.310	-1.83700	14.51300	.06000	-.00400	1.88200	-.08900	-.14322	-.29708	-.20635	-.30507
2.004	124.770	-1.95500	14.15300	.06000	-.00800	1.81900	.01100	-.15451	-.29746	-.21654	-.30580
2.004	126.240	-2.08200	13 73300	.06500	-.00400	1.58000	-.07200	-.16573	-.29745	-.22560	-.30688
2.004	127.870	-2.09000	13.43300	.04000	-.00700	1.18500	.03400	-.17263	-.28620	-.23104	-.30761
2.004	129.310	-2.15100	13.02300	.03300	-.00700	.97700	-.00500	-.17741	-.26010	-.23362	-.30727
2.004	130.390	-2.19300	12.59700	.06600	-.00400	.76700	-.01100	-.17951	-.25605	-.23138	-.27419
2.004	132.020	-2.23800	12.17600	.05800	-.00700	.68000	.01800	-.18569	-.25245	-.23068	-.24820
2.004	133.040	-2.28100	11.78500	.04700	-.00700	.54700	.01400	-.18934	-.24811	-.23214	-.23613
2.004	134.490	-2.33800	11.27400	.05200	-.00600	.54600	.00700	-.19076	-.23720	-.23249	-.23212
2.004	136.210	-2.38900	10.86600	.03400	-.00500	.59900	-.04400	-.19550	-.23939	-.23794	-.23722
2.004	137.380	-2.44400	10.38100	.04700	-.00300	.69200	-.06100	-.19731	-.24301	-.24337	-.24301
2.004	139.960	-2.25700	12.06300	.04600	-.00700	.65600	.02400	-.18572	-.24599	-.23104	-.23321
2.004	130.580	-2 21600	12.36500	.03900	-.00600	.70400	.02900	-.18211	-.25062	-.22959	-.23431
2.004	138 330	-2.47400	10.32400	.04500	-.00500	.43100	.05300	-.20167	-.24264	-.24590	-.24699
2.004	140.031	-2.50600	10.04100	.04100	-.00800	.43000	.05300	-.20136	-.24267	-.24629	-.25391
2.004	141.390	-2.57600	9.29500	.01800	-.00600	.22400	.04400	-.19910	-.23483	-.24007	-.25639
2 004	141.960	-2.60100	8.95400	.02200	- 00800	.24800	.07800	-.20024	-.23358	-.23757	-.27463
	GRADIENT	-.06467	-.22469	-.00110	.00003	-.11114	-.00104	-.01875	-.00125	-.01644	-.00012

LEWIS T-035 SA6F 142-IN SRB, (NOSE MOUNTED MODEL) (RGE031) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUM =	.000	ENGSTK =	.000
ALPSWP =	2.000		

RUN NO. 9/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLNM	CYNM	CPB1	CPB2	CPB3	CPB4
2.001	184.320	-2.31200	-.19600	.00500	-.00300	.44700	-.01100	-.08913	-.08743	-.09169	-.08913
2.001	182.440	-2.24800	-.11600	.00500	-.00300	.25800	-.05400	-.08426	-.08299	-.08384	-.08426
2.001	180.690	-2.19000	-.03900	.00300	-.00100	.11700	-.08200	-.08246	-.08161	-.09204	-.08331
2.001	178.900	-2.15000	.01300	.01400	-.	-.13800	-.00200	-.08123	-.08208	-.03208	-.08250
2.001	177.240	-2.25700	.08500	.00600	-.	-.29000	-.01200	-.08205	-.08503	-.08503	-.08630
2.001	175.600	-2.31500	.13800	-.00700	-.00500	-.43800	-.00600	-.08717	-.09100	-.09227	-.09227
2.001	174.720	-2.34400	.20000	.00900	-.00500	-.53200	-.03600	-.09271	-.09568	-.09696	-.09738
2.001	173.970	-2.37200	.26400	.00900	-.00600	-.54900	.01500	-.09948	-.10161	-.10331	-.10331
2.001	172.390	-2.42000	.38500	-.01100	-.	-.78700	-.09200	-.11701	-.11701	-.11871	-.11914
2.001	171.640	-2.44300	.48200	.03400	-.00400	-.83700	-.05800	-.12549	-.12464	-.12634	-.12761
2.001	170.820	-2.46300	.56900	.04600	-.00500	-.89400	.08900	-.13400	-.13188	-.13273	-.13570
2.001	169.990	-2.48400	.65600	.04600	-.00100	-.98000	-.02600	-.14253	-.14040	-.14083	-.14466
2.001	169.150	-2.50300	.78200	.02500	-.00800	-1.03300	.06100	-.14890	-.14720	-.14720	-.15188
2.001	168.340	-2.51800	.92800	.04800	-.00400	-1.15800	.03500	-.15530	-.15360	-.15360	-.15871
2.001	167.510	-2.53300	1.09900	.06400	-.00300	-1.21800	.07500	-.15997	-.15784	-.15869	-.16422
2.001	166.620	-2.55100	1.26900	.07400	-.00100	-1.33100	-.04500	-.16508	-.16508	-.16593	-.17146
2.001	165.900	-2.56200	1.45600	.07500	-.00700	-1.40200	.1.700	-.16637	-.16934	-.17062	-.17742
2.001	165.110	-2.56100	1.66000	.06400	-.00400	-1.47100	.02900	-.16800	-.17396	-.17523	-.18269
2.001	164.320	-2.56500	1.89000	.08400	-.00500	-1.52300	.04800	-.17154	-.17962	-.18005	-.18940
2.001	163.560	-2.57700	2.11900	.07700	-.00500	-1.40700	.05200	-.17488	-.18381	-.18466	-.19274
2.001	164.260	-2.56200	1.88900	.06100	-.00400	-1.47100	.04000	-.17576	-.18002	-.18087	-.18980
2.001	163.470	-2.57700	2.11200	.06400	-.00500	-1.41600	.07200	-.17878	-.18304	-.18431	-.19239
2.001	162.780	-2.59700	2.32200	.06300	-.00300	-1.39900	-.02000	-.18220	-.18773	-.18901	-.19624
2.001	161.930	-2.62900	2.54900	.06200	-.00400	-1.32400	.02300	-.18686	-.19153	-.19324	-.19961
2.001	161.240	-2.66400	2.77800	.05400	-.00200	-1.23800	-.07000	-.18894	-.19362	-.19575	-.20128
2.001	159.670	-2.69100	3.20000	.06700	-.00400	-1.13600	.05100	-.19279	-.19917	-.20044	-.20470
2.001	158.980	-2.70800	3.44900	.05000	-.00200	-.97700	-.02200	-.19494	-.20174	-.20217	-.20642
2.001	157.710	-2.74200	3.87500	.05100	-.00400	-.85600	-.01200	-.19965	-.20730	-.20773	-.21113
2.001	156.600	-2.74900	4.12100	.05300	-.00300	-.72800	.00000	-.20345	-.21068	-.21153	-.21408
2.001	156.010	-2.76400	4.37500	.04500	-.00200	-.53000	-.06700	-.20601	-.21282	-.21324	-.21580
2.001	155.350	-2.77100	4.57300	.04300	-.00500	-.56800	.04200	-.20901	-.21496	-.21496	-.21751
2.001	154.550	-2.77600	4.85000	.03700	-.00500	-.41100	-.01900	-.21056	-.21694	-.21736	-.21906
2.001	153.790	-2.78200	5.07600	.03800	-.00400	-.35800	-.02900	-.21325	-.21920	-.21963	-.22133
2.001	152.950	-2.78400	5.34700	.03400	-.00500	-.18800	.01900	-.21580	-.22218	-.22218	-.22345
2.001	152.350	-2.80200	5.57500	.04800	-.00400	-.13500	.06000	-.21830	-.22468	-.22510	-.22553
2.001	151.510	-2.81000	5.81000	.04200	-.00300	-.05500	.01400	-.22049	-.22688	-.22773	-.22900
2.001	150.900	-2.81000	6.03600	.04400	-.00300	.00000	-.02800	-.22179	-.22817	-.23029	-.23072
2.001	150.080	-2.83800	6.25500	.04000	-.00600	.08300	.04000	-.22430	-.23068	-.23281	-.23281
2.001	149.420	-2.86100	6.50500	.03500	-.00600	.17900	.03200	-.22428	-.23151	-.23448	-.23448
2.001	148.740	-2.86600	6.75500	.03900	-.00400	.26000	.00200	-.22431	-.23239	-.23622	-.23622
2.001	148.010	-2.87100	6.96900	.03000	-.00600	.29500	.02200	-.22429	-.23322	-.23705	-.23748
2.001	147.340	-2.88900	7.20100	.02900	-.00500	.32800	.01500	-.22381	-.23402	-.23785	-.23998

LEWIS T-035 SA6F 142-IN SRB. (NOSE MOUNTED MODEL) (RGE051) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.
LREF =	3.0000 IN.	YMRP =	.0000 IN.
BREF =	3.0000 IN	ZMRP =	.0000 IN.
SCALE =	.0211		

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000
ALPSWP =	2.000		

RUN NO. 9/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.001	146.870	-2.89700	7.43700	.03100	-.00700	.38800	.07500	-.22302	-.23408	-.23790	-.24088
2.001	145.870	-2.90500	7.68000	.02900	-.00300	.45700	-.02400	-.22167	-.23316	-.23698	-.24125
2.001	145.310	-2.91400	7.89500	.03300	-.00500	.56000	.00300	-.22513	-.23533	-.23789	-.24582
2.001	143.610	-2.91100	8.46300	.02400	-.00600	.56300	.07700	-.22518	-.23624	-.23965	-.25327
2.001	142.680	-2.73200	8.70400	.02100	-.00700	.40000	.06100	-.22177	-.23199	-.23582	-.25242
2.001	141.690	-2.58600	9.03700	.03100	-.00500	.33900	.03700	-.22031	-.23200	-.23498	-.25456
2.001	137.700	-2.46500	10.36700	.05600	-.00600	.48700	-.00100	-.21922	-.24390	-.24688	-.24433
2.001	136.300	-2.41300	10.85200	.04800	-.00500	.54200	-.04200	-.21401	-.24169	-.24467	-.23084
	GRADIENT	.01375	-.25162	-.00051	.00004	-.02661	-.00086	.00372	.00412	.00417	.00425

RUN NO. 11/ 0 RN/L = 2.36 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.677	185.080	-2.25800	-.25100	.01900	-.00100	.38600	.05700	-.07910	-.07808	-.08012	-.07910
2.677	183.240	-2.19700	-.17400	.00500	-.00200	.28100	-.00200	-.07348	-.07194	-.07501	-.07450
2.677	181.430	-2.10000	-.11300	.02300	-.00300	.17100	.03600	-.06784	-.06630	-.06835	-.06886
2.677	177.990	-2.11200	.01700	.01300	-.00600	-.22000	.09200	-.06329	-.06482	-.06585	-.06687
2.677	176.320	-2.20900	.04800	-.00800	.00000	-.29700	-.12000	-.06276	-.06788	-.06788	-.06941
2.677	173.070	-2.31900	.26400	.00810	-.00600	-.42800	.17200	-.07353	-.08224	-.08173	-.08275
2.677	171.480	-2.36200	.39200	.01800	.00000	-.49500	-.02400	-.08583	-.09351	-.09249	-.09402
2.677	168.370	-2.42500	.92900	.02000	-.00300	-.53000	.06000	-.10172	-.10582	-.10428	-.10684
2.677	166.710	-2.40400	1.25400	.02000	-.00200	-.50200	-.04000	-.11191	-.11242	-.11191	-.11447
2.677	163.640	-2.47500	1.93600	.02700	-.00500	-.21700	-.04300	-.11816	-.11816	-.11765	-.12021
2.677	162.090	-2.51100	2.30200	.01300	-.00300	-.09900	-.05300	-.12228	-.12125	-.12125	-.12381
2.677	159.140	-2.59600	3.04500	.01500	-.00100	.21800	.05300	-.12475	-.12423	-.12475	-.12628
2.677	157.580	-2.66100	3.44600	.02600	-.00200	.51500	-.04100	-.12528	-.12681	-.12733	-.12886
2.677	154.780	-2.78500	4.20000	.01400	-.00700	.71700	.12200	-.11967	-.12787	-.12992	-.13094
2.677	153.290	-2.82800	4.62500	.02000	-.00200	.80600	-.07000	-.11348	-.12987	-.13191	-.13294
2.677	150.390	-2.85800	5.48500	.01900	-.00400	.92200	.01300	-.10935	-.13085	-.13341	-.13444
2.677	147.500	-2.87300	6.34600	.01300	-.00200	1.08400	-.01300	-.10837	-.13192	-.13499	-.13602
2.677	146.140	-2.57500	6.82500	.02700	-.00600	.68700	.00000	-.10885	-.13240	-.13599	-.13700
2.677	144.150	-2.51300	7.49800	.04300	-.00600	.67700	.08400	-.10771	-.13485	-.13998	-.14407
2.677	142.670	-2.53300	7.95000	.02500	-.00500	.71400	.04700	-.10715	-.13429	-.14044	-.14556
	GRADIENT	.01447	-.23078	-.00039	.00006	-.02531	.00015	.00119	.00182	.00189	.00195

LEWIS T-035 SA6F 142-IN SRB, (NOSE MOUNTED MODEL) (RGED32) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0300 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000
ALPSWP =	2.000		

RUN NO. 9/ 1 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYN	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.001	134.850	-2.36200	11.28800	.05000	-.00700	.62200	.00500	-.20637	-.23617	-.23862	-.23404
2.001	133.370	-2.30600	11.71700	.05100	-.00300	.58800	-.04400	-.20299	-.24129	-.23533	-.23150
2.001	132.040	-2.25300	12.17000	.05500	-.00500	.70100	-.01300	-.20053	-.24776	-.23542	-.23372
2.001	130.710	-2.20700	12.59800	.04400	-.00800	.87500	.03000	-.19626	-.25158	-.23711	-.24818
2.001	129.270	-2.15500	13.02400	.04300	-.00600	.99700	.00000	-.19321	-.25534	-.24087	-.27450
2.001	128.170	-2.10200	13.42100	.06000	-.00700	1.17500	.01300	-.18767	-.27364	-.24214	-.29067
2.001	127.130	-2.02700	13.82500	.05000	-.00600	1.42400	-.03500	-.17919	-.28591	-.23964	-.29968
2.001	124.870	-1.96000	14.17200	.06900	-.00300	1.85600	-.08300	-.16937	-.29283	-.23535	-.30433
2.001	123.530	-1.84400	14.56300	.07100	-.00600	2.02300	-.03300	-.15796	-.29586	-.22776	-.30651
2.001	121.980	-1.72400	14.93100	.07900	-.00300	2.13000	-.08800	-.14378	-.29619	-.21657	-.30726
2.001	120.490	-1.60300	15.29400	.07800	-.00400	2.19700	-.03300	-.13073	-.29796	-.20433	-.30945
2.001	119.060	-1.48700	15.66200	.06600	-.00500	2.30300	-.02200	-.11365	-.30053	-.18516	-.31118
2.001	117.610	-1.37300	16.02900	.07500	-.00400	2.37100	-.01400	-.09660	-.29872	-.17063	-.31021
2.001	116.040	-1.25500	16.40900	.08400	-.00600	2.45100	.08200	-.07664	-.29702	-.15108	-.30893
2.001	115.590	-1.15200	16.79600	.07500	-.00900	2.54800	.12100	-.05410	-.29663	-.13109	-.30769
2.001	114.950	-1.03300	17.16600	.12100	-.00400	2.70000	.11600	-.02777	-.29493	-.10900	-.30557
2.001	110.300	-.64600	18.26300	.11000	-.00500	3.22500	.09200	.08129	-.28635	-.02718	-.29657
2.001	105.840	-.37400	18.84300	.11700	-.00700	3.59600	.12400	.20843	-.27873	.06299	-.29029
2.001	105.460	-.35600	18.86200	.12300	-.00500	3.62800	.07700	.21970	-.27530	.07306	-.28126
2.001	105.480	-.35400	18.86600	.13100	-.00800	3.62400	.14300	.21903	-.27617	.07275	-.27958
2.001	105.400	-.35100	18.86200	.12000	-.00600	3.58300	.07600	.21970	-.27573	.07306	-.27828
2.001	104.200	-.21600	19.14900	.11300	-.00700	3.78700	.08700	.30692	-.27648	.14203	-.27605
2.001	101.050	-.04000	19.41000	.08500	-.00700	4.10200	.04400	.41352	-.26805	.24346	-.26805
2.001	99.460	-.02700	19.56700	.09800	-.00800	4.39500	.04700	.47792	-.25611	.30368	-.25951
2.001	97.510	.06500	19.75900	.09000	-.00600	4.79300	.00100	.54961	-.23867	.35673	-.25739
2.001	96.050	.17000	19.90500	.09600	-.00700	5.10000	.02400	.59952	-.21142	.39056	-.25439
2.001	94.310	.31100	20.02300	.09000	-.00800	5.37200	.04800	.65063	-.18122	.43953	-.25101
2.001	92.800	.41600	20.10200	.08900	-.00900	5.62400	.07100	.70569	-.13526	.54265	-.23993
2.001	90.640	.52600	20.20700	.07100	-.00800	5.99500	.02100	.75411	-.07805	.69718	-.22536
	GRADIENT	-.07085	-.21181	-.00128	.00006	-.11624	-.00228	-.02280	-.00191	-.01920	-.00044

LEWIS T-035 SAGF 14R-IN SRB, (NOSE MOUNTED) (R6E092) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000
ALPSWP =	2.000		

RUN NO. 11/ 1 RN/L = 2.36 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.677	138.400	-2.40300	9.33000	.03300	-.	.84800	.04400	-.10254	-.13173	-.13639	-.14453
2.677	134.190	-2.29300	10.62500	.06300	-.00700	1.10700	.10400	-.10100	-.13480	-.13839	-.14708
2.677	129.930	-2.27900	11.76900	.05000	-.00700	2.02600	.06800	-.09682	-.14087	-.13729	-.15118
2.677	125.710	-1.98400	12.99200	.07400	-.00600	2.28600	.02800	-.08047	-.14554	-.13426	-.15527
2.677	121.350	-1.64100	14.18600	.08000	-.00700	2.49600	.02800	-.05388	-.14656	-.12403	-.15783
2.677	117.060	-1.27000	15.27100	.08500	-.00400	2.75000	-.03100	-.01700	-.14811	-.10303	-.15835
2.677	107.810	-.54500	17.08700	.09300	-.00600	3.52400	-.00100	.10599	-.14547	.01229	-.15572
	GRADIENT	-.06274	-.25683	-.00183	-.00004	-.08657	.00315	-.00659	.00050	-.00439	.00043

LEWIS T-035 SA6F : 2-IN SRB,(TAIL MOUNTED MODEL) (RGE033) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000
RN/L =	.560		

RUN NO. 37/ 0 RN/L = .98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNN	CYN	CBL	CLMN	CYNN	CPB1	CPB2	CPB3	CPB4
1.956	-5.790	1.06700	-.35200	-.05100	.	-.88000	-.07000	.	.00000	.	.
1.956	-5.780	1.06800	-.29500	-.06800	.	-.88000	-.01800	.	.00000	.	.0
1.956	-5.610	1.06500	-.27800	-.04600	.00100	-.93200	-.08600	.00000	.00000	.	.00000
1.956	-4.640	1.05100	-.24600	-.05500	.00200	-.80800	.01000	.00000	.00000	.	.00000
1.956	-3.680	1.03500	-.09500	-.06600	.00200	-.54400	-.07900	.00000	.00000	.	.00000
1.956	-2.740	1.02400	-.06900	-.05500	-.00100	-.23200	-.09600	.00000	.00000	.00000	.00000
1.956	-1.830	1.00400	-.	-.03600	.	.22500	-.09900	.00000	.00000	.00000	.00000
1.956	-1.020	1.00400	.03000	-.04600	.00100	.20800	-.04600	.00000	.00000	.	.
1.956	-.150	.99100	.18500	-.05300	.00200	.47100	-.04900	.00000	.00000	.	.
1.956	.680	.99500	.34100	-.07300	.	.45800	-.03300	.00000	.00000	.	.
1.956	1.470	1.01100	.28100	-.04900	.00300	.37200	-.06200	.00000	.00000	.	.00000
1.956	2.340	1.01400	.46200	-.07700	.00100	.66400	-.13600	.00000	.00000	.00000	.00000
1.956	3.230	1.00900	.51300	-.08000	.00200	1.09300	-.06900	.00000	.00000	.00000	.00000
1.956	4.050	1.01800	.46700	-.05500	.00100	1.11000	-.11800	.00000	.00000	.00000	.
1.956	4.920	1.02400	.63500	-.06300	.00000	1.51600	-.12800	.00000	.00000	.00000	.
1.956	5.710	1.03600	.74000	-.07800	.00300	1.76500	-.02800	.00000	.00000	.00000	.00000
1.956	6.490	1.04700	.73800	-.08200	.00800	1.77900	-.04900	.00000	.00000	.00000	.00000
1.956	7.310	1.07300	.92600	-.08300	.00000	1.91700	-.15200	.00000	.00000	.00000	.00000
1.956	8.080	1.09300	.90800	-.08300	.00600	1.98000	-.07100	.00000	.00000	.	.00000
1.956	8.890	1.09200	1.00100	-.08500	.00300	2.37000	-.06300	.00000	.00000	.	.
1.956	10.510	1.09300	1.31000	-.08000	.00400	3.03900	-.06600	.	.	.00000	.00000
1.956	12.050	1.09600	1.71300	-.08800	.00200	3.73500	-.14700	.00000	.	.	.00000
1.956	13.510	1.13400	1.93700	-.10600	.00500	3.87300	-.10400	.00000	.00000	.00000	.00000
1.956	14.780	1.14000	2.20800	-.10100	.00400	4.28800	-.10900	.00000	.00000	.00000	.00000
1.956	16.300	1.13900	2.58900	-.11800	.00700	4.73000	-.05900	.00000	.	.00000	.00000
1.956	17.840	1.12900	2.96300	-.10300	.00900	5.37800	-.05300	.00000	.	.00000	.00000
1.956	19.310	1.11700	3.35400	-.11600	.00300	5.97300	-.15000	.00000	.	.00000	.00000
1.956	20.740	1.13000	4.01600	-.12200	.00300	5.97100	-.18500	.00000	.00000	.00000	.00000
1.956	22.170	1.14200	4.54500	-.13100	.00800	5.98000	-.10600	.00000	.00000	.	.00000
1.956	23.650	1.14200	4.84300	-.10700	.00600	6.28000	-.14000	.00000	.00000	.00000	.00000
1.956	25.080	1.14000	5.36400	-.11800	.00600	6.56700	-.14200	.00000	.00000	.00000	.00000
1.956	26.470	1.13500	5.67900	-.14700	.00900	6.72600	-.13900	.00000	.00000	.00000	.00000
1.956	27.870	1.14000	6.35300	-.13900	.01000	6.68100	-.13300	.00000	.00000	.00000	.00000
1.956	29.270	1.14300	6.83400	-.13900	.00800	6.85200	-.14900	.00000	.00000	.00000	.00000
1.956	30.700	1.15500	7.34500	-.11900	.00700	6.96300	-.23600	.00000	.00000	.00000	.00000
1.956	32.100	1.16300	7.84000	-.15800	.01200	7.13500	-.09000	.00000	.00000	.00000	.00000
1.956	33.480	1.17700	8.31100	-.14100	.01100	7.18600	-.12100	.00000	.00000	.00000	.00000
1.956	34.860	1.19400	8.84700	-.15400	.01100	7.30800	-.09500	.00000	.00000	.00000	.00000
1.956	36.250	1.19900	9.36900	-.16800	.01000	7.55900	-.16700	.00000	.00000	.00000	.00000
1.956	37.640	1.20600	9.79800	-.13600	.01200	7.76500	-.09700	.00000	.00000	.00000	.00000
1.956	38.980	1.22300	10.26400	-.16300	.01300	7.84100	-.06200	.00000	.00000	.00000	.00000
	GRADIENT	- 00204	.08975	-.00159	.00000	.21452	-.00802	.00000	.00000	.00000	.00000

LEWIS T-039 SA8F 142-IN SRB, (TAIL 0) (RGE034) (02 MAY 74)

REFERENCE DATA

	7.	98.IN.	XMRP =	20.8340 IN.	
LREF =	5.	IN.	YMRP =	.0000 IN.	
SREF =	5.0000	IN.	ZMRP =	.0000 IN.	
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000
RN/L =	.560		

RUN NO. 37/ 1 RN/L = .56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNN	CYN	CBL	CLNN	CYNN	CPB1	CPB2	CPB3	CPB4
1.956	40.340	1.23600	10.81000	-.17700	.01100	0.	-.15300	.	.	.	.
1.956	41.710	1.20800	11.	-.16800	.	8.24500	-.23800	.	.00000	.	.00000
1.956	43.080	1.22600	11.81400	-.18500	.01300	8.21000	-.19000	.	.	.	.00000
1.956	44.480	1.23400	12.26900	-.17000	.01100	8.36500	-.18800	.00000	.00000	.	.00000
1.956	45.840	1.22300	12.72000	-.17800	.01100	8.78700	-.19400	.	.	.	.00000
1.956	46.680	1.24000	12.97800	-.16500	.01300	8.72400	-.16100	.00000	.00000	.	.00000
1.956	47.260	1.21400	13.17400	-.17800	.02100	9.07000	-.12300	.00000	.	.00000	.00000
1.956	48.630	1.21200	13.56100	-.17900	.02700	9.10200	-.17700	.	.00000	.	.00000
1.956	49.930	1.	14.05400	-.18600	.	9.19900	-.15100	.	.00000	.00000	.00000
1.956	51.090	1.20700	14.40200	-.20100	.02000	9.41100	-.12500	.00000	.00000	.00000	.00000
1.956	52.520	1.17200	14.79500	-.19800	.01900	9.99100	-.21200	.	.00000	.00000	.00000
1.956	53.870	1.18400	15.20200	-.20400	.01800	9.96400	-.14300	.	.00000	.00000	.00000
1.956	55.360	1.16400	15.62700	-.21700	.01700	10.37400	-.12000	.	.00000	.00000	.00000
1.956	56.710	1.15600	16.04700	-.23600	.01600	10.42100	-.18900	.00000	.00000	.00000	.00000
1.956	58.160	1.12500	16.40300	-.22900	.01500	10.79300	-.14200	.00000	.00000	.00000	.00000
1.956	59.660	1.07400	16.73800	-.23300	.02200	11.11900	-.11800	.00000	.00000	.	.00000
1.956	61.040	1.03800	17.09600	-.21700	.02400	11.14800	-.13800	.00000	.00000	.00000	.
1.956	62.510	.98800	17.42200	-.26300	.02100	11.29100	-.16700	.00000	.00000	.	.00000
1.956	64.030	.93400	17.72300	-.24900	.	11.53600	-.06800	.00000	.00000	.00000	.00000
1.956	65.570	.86300	17.99800	-.24300	.02300	11.56800	-.08100	.00000	.00000	.00000	.00000
1.956	67.070	.80800	18.25900	-.24100	.02400	11.70700	-.07300	.00000	.00000	.00000	.00000
1.956	68.680	.73600	18.61000	-.23400	.02400	11.88900	-.07100	.00000	.00000	.00000	.00000
1.956	70.250	.67000	18.84200	-.25800	.02300	11.74000	-.05300	.00000	.00000	.00000	.00000
1.956	71.820	.58800	19.15900	-.25600	.02400	11.64100	-.05400	.00000	.00000	.00000	.00000
1.956	73.520	.46900	19.36300	-.25100	.02000	11.76000	.00300	.00000	.00000	.00000	.00000
1.956	75.290	.35900	19.68900	-.27000	.02100	11.53200	-.07900	.00000	.00000	.00000	.00000
1.956	77.060	.20500	19.91700	-.20900	.02500	11.01200	.03300	.00000	.00000	.00000	.00000
1.956	78.740	.08300	20.02800	-.18800	.02500	10.57630	-.03900	.00000	.00000	.00000	.00000
1.956	80.350	-.04600	20.29000	-.18000	.02400	10.41400	-.14400	.00000	.00000	.00000	.00000
1.956	82.160	-.17700	20.33900	-.22900	.01900	10.35600	-.18100	.00000	.00000	.00000	.00000
1.956	83.900	-.28300	20.41600	-.16200	.02400	10.43100	-.21000	.00000	.00000	.00000	.00000
1.956	85.510	-.34900	20.44500	-.19300	.02500	10.09000	-.08700	.00000	.00000	.00000	.00000
1.956	87.330	-.43300	20.49300	-.20700	.01900	9.33200	-.21800	.00000	.00000	.00000	.00000
1.956	88.460	-.49800	20.51800	-.20400	.02200	9.08500	-.24100	.00000	.00000	.00000	.00000
	GRADIENT	-.05711	.20668	-.00077	.00023	.04436	.00136	.00000	.00000	.00000	.00000

LEWIS T-035 SA6F 142-IN SRB,(TAIL MOUNTED MODEL) (R6E055) (02 MAY 74)

REFERENCE DATA

BREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	3.000
RN/L =	2.370		

RUN NO. 41/ 0 RN/L = 2.34 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNN	CYN	CBL	CLNN	CYNN	CPB1	CPB2	CPB3	CPB4
2.675	-5.000	.88900	-.55300	-.01200	-.00300	-1.07[illegible]	-.03700	.	.00000	.	.
2.675	-4.040	.88100	-.47600	-.02200	.00100	.86100	.04500	.	.	.	.
2.675	-4.160	.87400	-.38600	-.00900	-.00300	-.69600	-.01300	.	.	.	.00000
2.675	-3.230	.86000	-.30000	.01100	-.00400	-.45400	-.05900	.00000	.	.	.
2.675	-2.350	.85400	-.19300	-.01000	-.00300	-.30200	.02600	.	.00000	.	.00000
2.675	-1.470	.85100	-.14100	-.03500	.00400	-.20200	.09700	.00000	.00000	.	.00000
2.675	-.590	.84500	-.04700	-.01700	.00300	-.05600	.06200	.	.00000	.	.
2.675	.290	.84500	.01600	-.	.	.00700	.00500	.	.	.00000	.
2.675	1.160	.84100	.09800	-.03900	.00400	.13500	.06800	.	.	.	.
2.675	2.040	.84000	.19900	-.01700	.00100	.30900	.03900	.	.	.	.
	GRADIENT	-.00393	.09195	-.00381	.00103	.14946	.01431	.	.	.	.

LEWIS T-035 SA6F 142-IN SRB,(NOSE MOUNTED MODEL) (RGE056) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.		
LREF =	3.0000 IN.	YMRP =	.0000 IN.		
BREF =	3.0000 IN.	ZMRP =	.0000 IN.		
SCALE =	.0211				

PARAMETRIC DATA

BETA =	.000	PHI =	.000
ALPROT =	.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	8.000
RN/L =	2.370		

RUN NO. 21/ 0 RN/L = 2.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.664	180.030	-2.11800	.03700	-.01100	.01300	-.04900	.09400	-.06641	-.06691	-.06742	-.06742
2.664	159.760	-2.61400	2.98600	-.00800	.01000	-.32500	-.00700	-.11976	-.11976	-.11622	-..1875
2.664	140.190	-2.44700	8.80400	-.01700	.00800	.13400	.08700	-.13546	-.13546	-.13546	-.14153
2.664	135.290	-2.29300	10.43700	-.00600	.01100	.08800	.05800	-.12825	-.14040	-.13483	-.14546
2.664	130.510	-2.21700	12.00900	-.02200	.00700	.86400	.12400	-.11622	-.15013	-.13292	-.15468
2.664	125.080	-1.79700	13.66800	-.01000	.00400	1.01600	.16500	-.08889	-.15470	-.12382	-.15976
2.664	120.450	-1.51100	14.62000	.	.00800	1.12000	.02900	-.05863	-.15375	-.10872	-.16033
2.664	105.000	-.34900	17.59800	-.	.00300	2.52200	.07000	.16785	-.14828	.06165	-.14777
2.664	91.040	.51200	19.05700	-.05100	-.00100	4.10300	.03000	.68653	-.04307	.48201	-.08960
2.664	93.190	.40300	19.03200	-.04600	-.00100	3.72200	.02000	.61558	-.07351	.43785	-.08666
2 364	95.020	.28900	18.90700	-.04300	.	3.53000	.01900	.53784	- 09779	.37018	-.09273
2.664	96.540	.19400	18.73100	-.04300	.00100	3.40200	.01000	.47138	-.10947	.30478	-.10088
2.664	98.320	.08300	18.50500	-.06600	.00000	3.25600	.05600	.39565	-.11551	.23813	-.10642
2.664	99.990	-.01800	18.26400	-.05000	.00100	3.08400	.04900	.32655	-.12408	.18363	-.11094
2.654	101.770	-.13000	18.03100	-.04100	.00000	2.92200	.07100	.26189	-.13024	.13560	-.11659
2.664	103.540	-.25200	17.77900	-.02900	.00100	2.68900	.05100	.20519	-.13683	.09357	-.12470
2.664	104.970	-.34800	17.58600	-.03000	.00100	2.51800	.03800	.16940	-.14031	.06736	-.13122
2.664	106.590	-.46100	17.33500	-.01500	.00100	2.34100	.09200	.13647	-.13983	.04607	-.13175
2.664	108.270	-.57600	17.07600	-.03000	.00200	2.17100	.02600	.10260	-.14086	.02230	-.13581
2.664	109.910	-.69400	16.79400	-.00400	.00100	2.00900	.04000	.07644	-.14088	.00166	-.13835
2.664	113.000	-.93000	16.22200	-.02200	.00200	1.73600	.02700	.03389	-.14450	-.03079	-.14248
	GRADIENT	-.04035	-.22930	.00051	.00017	-.05391	.00052	-.00864	-.00005	-.00617	-.00007

LEWIS T-035 SA6F 142-IN SRB, (NOSE MOUNTED MODEL) (RGE037) (02 MAY 74)

REFERENCE DATA

SREF =	7.0690 SQ.IN.	XMRP =	20.8340 IN.
LREF =	3.0000 IN.	YMRP =	.0000 IN.
BREF =	3.0000 IN.	ZMRP =	.0000 IN.
SCALE =	.0211		

PARAMETRIC DATA

BETA =	.000	PHI =	90.000
ALPROT =	1.000	FWDSTK =	.000
AFTSTK =	.000	ATTRNG =	1.000
ELETUN =	.000	ENGSTK =	.000
RN/L =	2.370		

RUN NO. 35/ 0 RN/L = 2.35 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CA	CNM	CYM	CBL	CLMM	CYNM	CPB1	CPB2	CPB3	CPB4
2.676	-5.620	.90200	-.60700	-.00300	-.00200	-1.02300	.14500	.00000	.00000	.	.00000
2.676	-5.510	.90100	-.57900	-.00800	-.00100	-.96900	.14100	.00000	.00000	.00000	.00000
2.676	-4.550	.89200	-.48000	.02400	-.00500	-.72100	.00600	.00000	.00000	.00000	.00000
2.676	-3.670	.88600	-.38700	.02700	-.00600	-.54400	-.00900	.00000	.00000	.00000	.00000
2.676	-2.770	.88000	-.29100	.03000	.00000	-.34400	.06900	.00000	.00000	.00000	.00000
2.676	-1.870	.87400	-.21700	.05200	-.00600	-.16300	-.08000	.00000	.00000	.00000	.00000
2.676	-.970	.86300	-.12400	.00800	-.00100	-.01400	.04100	.00000	.00000	.00000	.00000
2.676	-.100	.86000	-.04800	.01800	-.00200	.10200	.01100	.00000	.00000	.00000	.00000
2.676	.730	.85800	.04400	.02800	-.00100	.19200	.01600	.00000	.00000	.00000	.00000
2.676	1.610	.86500	.12500	.01300	.00000	.32800	-.04100	.00000	.00000	.00000	.00000
2.676	2.440	.87000	.20100	.02500	-.00200	.46200	-.11000	.00000	.00000	.00000	.00000
2.676	3.290	.87500	.26900	.01900	-.00100	.62700	-.00700	.00000	.00000	.00000	.00000
2.676	4.990	.88500	.44800	.02200	-.00200	1.06200	-.08300	.00000	.00000	.00000	.00000
2.676	6.630	.90200	.63400	.01500	-.00800	1.44400	-.12100	.00000	.00000	.00000	.00000
2.676	8.260	.92100	.91000	-.03100	-.00700	1.87000	.06300	.00000	.00000	.00000	.00000
2.676	9.980	.93000	1.24900	-.06600	-.01700	2.24900	.12900	.00000	.00000	.00000	.00000
2.676	11.460	.92700	1.64300	-.08300	-.01700	2.58400	.17200	.00000	.00000	.00000	.00000
2.676	13.060	.92300	2.06300	-.13700	-.02100	2.83400	.21200	.00000	.00000	.00000	.00000
2.676	14.600	.93100	2.51000	-.15300	-.02000	2.99200	.27200	.00000	.00000	.00000	.00000
2.676	15.990	.94300	2.90600	-.20900	-.02400	3.10600	.42300	.00000	.00000	.00000	.00000
	GRADIENT	-.00120	.09608	-.00112	.00040	.17319	-.00933	.00000	.00000	.00000	.00000